PUBLIC HEALTH REPORTS.

Vol. XXVI.

JUNE 16, 1911.

No. 24.

EXPERIMENTAL MEASLES IN THE MONKEY: A SUPPLE-MENTAL NOTE.

By John F. Anderson, Director Hygienic Laboratory, and Joseph Goldberger, Passed Assistant Surgeon.

[From the Hygienic Laboratory, Washington, D. C.]

In a preliminary note we briefly summarized some attempts at inoculating the rhesus monkey with blood from human cases of measles and reported some results that, we believe, demonstrate that the rhesus monkey is capable of being infected, and that when so infected may show a definite febrile reaction, resembling the course of the temperature in some types of measles in the human subject, with or without a generalized exanthem.

At this time we wish to present our work in somewhat greater

detail.

Experiment 1.—Our first inoculations were made June 8, 1910. The case that furnished us with the blood for this purpose was a patient (L. F.) at the Willard Parker Hospital, New York City. The eruption in this case was reported to have appeared in the morning of June 7, 1910. Ten cubic centimeters of blood were drawn from a vein at the elbow at 1.30 p. m., June 8. It was taken to the laboratory in Washington, where, on arrival, it was found to have partly clotted, having been imperfectly defibrinated. To this blood 10 c. c. salt solution was added and the clot broken up, after which 13 c. c. of diluted blood was aspirated into a conical glass. To the remaining blood 7 c. c. more of saline solution was added and the clot further broken up, and this aspirated into a second conical glass.

At 9.30 p. m., eight hours after drawing the blood, we inoculated two rhesus monkeys; one (No. 1) received 10 c. c. intraperitoneally of the first dilution, the other (No. 2) 10 c. c. intraperitoneally of a

mixture of the first and second dilutions.

A glucose-broth fermentation tube was inoculated with about 0.5 c. c. of the undiluted blood. At the end of 5 days this culture

was clear, giving no visible evidence of growth.

The result of this experiment we considered negative, although in both animals there was noted a slight, but insignificant, rise in temperature on June 19, 1910, eleven days after inoculation.

An opportunity to continue our experiments did not present itself until April 25, 1911.

70

I Anderson, John F., and Goldberger, Joseph: "Experimental measles in the monkey: A preliminary note." Pub. Health Reports, vol. 26, No. 23, June 9, 1911, p. 847.

June 16, 1911 888

Experiment 2.—The blood used for inoculation in this experiment was from a patient (J. R. W.) at the Government Hospital for the Insane. In this case the eruption was reported to have appeared shortly after noon of April 24, 1911. A syringeful of blood was drawn from a vein at the elbow at 5.15 p. m., April 25, 1911, at once defibrinated, and taken to the laboratory.

At 6.45 p. m., an hour and a half after drawing, it was used for the inoculation of two rhesus monkeys; one (No. 38) received 5 c. c. intraperitoneally, the other (No. 42) received 2.5 c.c. in the same

way, but diluted with an equal volume of saline solution.

Two tubes of alkaline broth were planted with 0.5 c. c. each of the defibrinated blood. Both tubes were noted as clear, without visible evidence of growth, 5 days later.

Ten days after the inoculation (May 5) one of these animals (No. 42) showed a slight rise in temperature. Unfortunately, however, its temperature both before and after this date, was quite irregular, so that we can not be sure of its significance. In the case of the other monkey, however, the temperature rose slightly on May 5, 10 days after inoculation, went still higher on the sixth, then dropped abruptly during the night of May 6-7.

Experiment 3.—The blood used in this experiment was from a

patient (I. S. E.) at the Government Hospital for the Insane.

This patient, a nurse, reported sick at 2 a. m., April 27, at which time the eruption was appearing.

Blood was drawn April 28, 1911, at 10 a. m., at once defibrinated,

and taken to the laboratory.

At 12 noon, two hours after being drawn, it was employed for the inoculation of three rhesus monkeys (Nos. 7, 40, and 12). No. 7 received 5 c. c. diluted with an equal volume of salt solution subcutaneously; No. 40 received the same amount similarly diluted intraperitoneally; while No. 12 received 0.5 c. c. intracerebrally.

A glucose-broth fermentation tube was planted with about 0.5 c. c. of the defibrinated blood. At the end of 5 days this culture appeared

clear, without visible evidence of growth.

The temperature of rhesus No. 7 shows a slight rise extending over May 9 and 10—that is, on the eleventh and twelfth days after inoculation; rhesus No. 40 showed a slight rise on May 6, or 8 days after inoculation; while rhesus No. 12 showed a slight rise on May 8, or 10 days after inoculation. In all three animals the elevation of temperature was too slight to be of significance in itself, nor were we disposed to attach any significance to it in any but No. 12. In this last animal, besides the slight rise in temperature on the tenth day after inoculation, we noted the presence of a few papules on the face, brows, and chin, with a rather marked diffuse erythema of the brows and lids. At the end of four days the eruption had perceptibly faded, while at the same time a fine, branny scaling was noted at the site of the fading papules.

Experiment 3a.—On May 8, at 9.45 p. m., at what we assumed would be early in a beginning reaction but which proved to be at a time when the temperature of monkey No. 12 had already receded from its slight rise, we aspirated some blood from the heart of this animal, defibrinated it, and at once injected 9 c. c. into the peritoneum of rhesus No. 44. This animal during a period of observation of 28

days gave no appreciable evidence of a reaction.

889 June 16, 19f1

This result would appear to negative our interpretation of a reaction in monkey No. 12. This view, however, loses force when we recall that of seven monkeys that we had inoculated up to this time with blood from three cases of measles only one (No. 38, experiment 2) had shown, even in retrospect, any very significant rise in tempera-It is clear, therefore, that either the virus with which we had been working possessed a very low virulence or that the monkey is but slightly susceptible to measles. While we see no reason to doubt that the virus of measles may vary considerably in virulence, we believe from the evidence already deduced that the susceptibility of the monkey is very slight, and, judging from our later experience, we believe that this is the more important factor. In the light of these considerations we would interpret the result of this experiment as indicating a low degree of susceptibility in monkey No. 44 combined perhaps with the action of a virus of low virulence (as is in some degree probable from the ill-defined reactions in monkeys Nos. 7 and 40, inoculated with the same virus as No. 12) rather than that No. 12 had failed to react. The correctness of this view is made more probable by the result of the immunity test given No. 12 in our fourth experiment.

Experiment 4.—The blood used in this experiment was from a patient (J. R. W., 2d) at the Government Hospital for the Insane.

The eruption in this case (case 4) was reported to have appeared about 10 p. m. May 15, 1911.

Blood was drawn from a vein at the elbow at 12.15 p. m. May 16,

1911, at once defibrinated and brought to the laboratory.

At 3 p. m., three hours after it was withdrawn, this blood was used for the inoculation of rhesus monkeys Nos. 6 and 8. Rhesus No. 6 received 2.5 c. c. into the heart, while rhesus No. 8 received 0.5 c. c. into the brain and 3 c. c. into the peritoneum. At the same time we reinoculated No. 12, the monkey that in experiment 3 had given evidence of a suspicious eruption, with a view to testing his immunity and so obtaining light on the nature of his reaction.

A test of the sterility of the blood was made; as in the previous experiments a glucose-broth fermentation tube was planted with about 0.5 c. c. At the end of 5 days this culture gave no visible

evidence of any growth.

The temperature curves of monkeys Nos. 6 and 8 are shown as

figures 2 and 5, respectively.

In the case of rhesus No. 6 (fig. 2) there is clearly evident a sharp rise in temperature beginning May 25, nine days after inoculation. Whether this is the initial rise, or whether the slight elevation on May 22, three days preceding it, is to be regarded as such, we are unable to say, though we are inclined to believe that the latter is the case.

On May 26, 10 days after inoculation, a few irregular, scaly, coppery-tinted patches made their appearance on the chest and abdomen and it was noted that the animal had a dry, barking cough. Late in the afternoon he was bled and, unfortunately, as a result of

the cardiac puncture, the animal bled to death.

By consulting figure 5 it will be seen that monkey No. 8 developed a well-marked febrile reaction 10 days after inoculation. In this case, also, we can not be sure that the rise on May 22 was not the initiation of the reaction. It seems to us almost certain that if this was not the case the rise on May 24 marks the beginning of the

June 16, 1911 890

reaction, for blood drawn from the heart of this animal on May 25, when its temperature was between 40.2° and 39.8°, was, as will be shown, infective by passage to another monkey. Assuming what seems to us, at least, not improbable, that the initiation of the reaction was marked by the rise on May 22, we have a fever that reached its fastigium four days later, at which time there was also noticed the first appearance of an eruption. Having reached its fastigium the temperature oscillated between 40.6° and 40.9° for three days, then dropped abruptly during the night from 40.8° to 39°.

The duration of the reaction as shown by the thermometer was

therefore seven days.

Ten days after inoculation some three or four coppery papules about 3 to 4 mm. in diameter appeared on the scalp, one under the left side of the jaw, and some three patches on the abdomen. Of the latter one was about 1 cm. in diameter, not raised and slightly scaly; the other two, of which one was papular, were smaller. Within two days the eruption had extended to the limbs and back, and the lesions, pale rose-tinted maculo-papules, had greatly increased in number. On the third day after the eruption appeared, the lesions on the scalp and face were perceptibly less bright (fading), though the eruption on the abdomen appeared more abundant.

From this time on the eruption faded progressively, until on the sixth day after its appearance there were left only barely perceptible stained patches. Scaling was observed only on some of the stained

areas left by the lesions on the scalp and temple.

In contrast to the beginning reaction noted in monkey No. 6 (fig. 2) and to the marked and striking reaction in monkey No. 8 (fig. 5) we have to record the absence of any evidence of reaction in

monkey No. 12.

It will be recalled that this animal was first inoculated April 28 (experiment 3) and had given evidence of what we are inclined to interpret as a very mild reaction 10 days later. Although the result of an attempt at passage (experiment 3a) from this animal to No. 44 was apparently negative, the absence of any evidence of a reaction following reinoculation with blood that induced a well-marked reaction in both of two other animals (Nos. 6 and 8) inoculated at the same time, points, in our opinion, to an immunity conferred by the first inoculation evidenced by the slight reaction on May 8, already referred to.

In order to obtain further light on the nature of the reaction observed particularly in our monkeys Nos. 6 and 8, we attempted to transmit the infection by passage from these to other monkeys.

transmit the infection by passage from these to other monkeys.

Experiment 4a.—At 11.30 a. m., May 25, we aspirated blood from the heart of rhesus No. 8. It was at once defibrinated and used for

the inoculation of monkeys Nos. 20 and 22.

Rhesus No. 20 received 0.5 c. c. of the defibrinated blood intracerebrally and 3 c. c. intraperitoneally at noon. Rhesus No. 22 received a little more than 0.25 c. c. of the defibrinated blood intracerebrally and 3 c. c. intraperitoneally. About 0.5 c. c. was planted in a glucosebroth fermentation tube. At the end of 5 days the tube gave no visible evidence of growth. The temperature curves of these animals are shown in chart 2. It will be noted that in the case of rhesus No. 20 (fig. 6) the temperature began to rise May 31, six days after inoculation; the rise continued on the following day, then dropping 891

from its high point was continued for three days, marked by moderate oscillations and then by oscillations of greater amplitude. On June 4 we noted a suspicious mottling of the abdomen having somewhat the appearance of a pale rose-tinted macular eruption, but very poorly defined. The day after its first appearance this eruption was less clearly appreciable and on the second day after its appearance—that is, what would be the third day of eruption—it was no longer discernible.

We are inclined to interpret this slight and poorly defined rise in temperature followed by a suspicion of an eruption as indicative of

a reaction in this animal.

In the case of rhesus No. 22 (fig. 7) we have a very clearly defined reaction. As in monkey No. 20, we noted a beginning rise on May 31, six days after inoculation, although we think it probable that the initial rise was on May 30. The temperature continues its upward course for three days, reaching its fastigium on June 3, followed by an abrupt drop the next morning. On the day when the temperature reached its fastigium a few suspicious maculo-papules were observed on the abdomen and chest and at the same time some scaly, coppery, irregular confluent patches were observed on the right cheek.

The day following its appearance the coppery patches on the cheek were much faded, while the maculo-papules on the abdomen remained unchanged. Two days after the appearance of the eruption it had faded to such a degree that it could no longer be definitely

distinguished.

Experiment 4b.—At 3.30 p. m., May 26, 1911, we aspirated blood from the heart of rhesus No. 6, at once defibrinated, and used it for

the inoculation of monkeys Nos. 35 and 37.

Rhesus No. 35 received at 4 p. m. 2 c. c. subcutaneously and 2 c. c. intravenously. At 4.30 p. m. rhesus No. 37 received 2 c. c. of the defibrinated blood intravenously. About 0.5 c. c. of the defibrinated blood were planted in a glucose-broth fermentation tube. No visible evidence of growth was discernible at the end of 5 days' incubation at 37°.

The temperature curves of monkeys Nos. 35 and 37 are given on chart 1 (figs. 3 and 4). It may be seen that in the case of monkey No. 35 (fig. 3) the temperature began to rise, possibly on the fifth, and certainly on the sixth, day after inoculation, and continued its upward course on the following day, when it attained its fastigium. It remained high one day, then began to decline. The decline extended over a period of three days. The total duration of the fever was six or seven days, depending on what one considers the initial rise.

On the day when the decline in the fever began—that is, nine days after inoculation—there was observed a diffuse crythema about the orbits, with the appearance of small purplish-red papules on the left upper lid. There were, besides this, two or three maculo-papules on the face. On the abdomen there appeared a sparse cruption of pale coppery or rose-tinted macules. The day following their appearance the papules on the lid were gone and the periorbital crythema appeared less bright. The macules on abdomen were clearly discernible and appeared to have extended to the thighs. Three days after its appearance the cruption was much less evident and in another day or two was altogether indistinguishable.

June 16, 1911 892

In the case of rhesus No. 37 (fig. 4) a febrile reaction is clearly evident, lasting seven days. The initial rise took place five days after inoculation. The temperature dropped the following day, but rose again, reaching its highest point seven days after inoculation. Six days after the initial rise the temperature dropped rapidly, falling within 24 hours to a point slightly below its normal level. An erup-

tion could not be detected in this animal.

Summarizing the results of experiments 4, 4a, and 4b, we have, first, a clearly defined temperature reaction in both of two animals (Nos. 6 and 8), with the appearance of a generalized maculo-papular eruption in one of them, following inoculation with defibrinated blood from case 4, which in culture appeared to be sterile; second, a well-developed temperature reaction in at least three (Nos. 22, 35, and 37) of four monkeys, with the appearance of sparse eruptions in two of these as well as in the fourth (No. 20), in which the temperature reaction was not clearly defined, following inoculation with defibrinated blood from the first pair of animals (Nos. 6 and 8), that was also apparently sterile in culture.

The only reasonable interpretation of this series of events is that monkeys Nos. 6 and 8 were infected with measles from a human case and that the infection was transmitted by passage from these to four other monkeys (Nos. 20, 22, 35, and 37). We may add in this connection that we have succeeded in propagating the infection by a second passage from rhesus No. 35 to rhesus No. 81 through three monkey generations. We reserve the details of this, however, for a

later report.

SUMMARY.

We have inoculated nine rhesus monkeys with defibrinated blood

from four cases of measles.

The blood was drawn from the general circulation in case 1 (experiment 1) at the end of not less than 30 hours, in case 2 (experiment 2) at the end of not less than 24 to 28 hours, in case 3 (experiment 3) at the end of not less than 32 hours, and in case 4 (experiment 4) at the end of not less than 14 hours after the appearance of the eruption.

In this connection it may be well to recall that Hektoen (1905) has shown by inoculations in man that the virus is present at least

during the first 30 hours of the eruption.

In broth culture the blood in all four cases appeared to be sterile. The inoculations were intraperitoneal in experiments 1 and 2; subcutaneous, intraperitoneal, and intracerebral in experiment 3; and intracerdiac and combined intracerebral and intraperitoneal in experiment 4.

Of the nine animals inoculated with human blood, only four (Nos. 38, 12, 6, and 8) gave any very significant evidence of a reaction.

Varying quantities of blood were used in the inoculations with human measles blood. The two clearly marked reactions followed the injection of 2.5 c. c. in one animal (No. 6) and 3.5 c. c. in the other (No. 8).

We have made passage inoculations in five rhesus monkeys with defibrinated blood from monkeys that had given evidence of a reaction

following an inoculation with measles blood.

893

The blood in all three instances was drawn direct from the heart, and without exception appeared to be sterile in broth culture at 37°.

The passage inoculations were intraperitoneal (rhesus No. 44) in experiment 3a, combined intracerebral and intraperitoneal (rhesus Nos. 20 and 22) in experiment 4a, and intravenous (rhesus No. 35) and combined subcutaneous and intravenous (rhesus No. 37) in experiment 4b.

Of the five animals inoculated by passage, one (No. 44) gave apparently no reaction, one (No. 22) gave an ill-defined reaction, and three (Nos. 20, 35, and 37) gave well-marked reactions.

The inoculations in the animals that gave well-marked reactions

were with blood varying in amount from 2.25 to 4 c. c.

Of two animals (Nos. 20 and 22) receiving nearly equal amounts of the same blood by the same method of inoculation, the one (No. 22) receiving the slightly smaller amount gave the better, more clearly defined reaction. On the other hand, in the case of two other animals (Nos. 35 and 37) the one receiving the larger amount of blood (No. 35) exhibited the sharper reaction.

In the five animals (Nos. 6, 8, 22, 35, and 37) in which the reaction is clearly defined the period of incubation—that is, the time elapsing between inoculation and beginning reaction—was six days in two (Nos.

6 and 8) and five days in three (Nos. 22, 35, and 37).

This period probably varies considerably, for in another experiment (second passage or third monkey generation, rhesus 35 to rhesus 81), the details of which we reserve for a later report, the interval was seven days.

CONCLUSIONS.

The rhesus monkey is capable of being inoculated with measles with blood from a human case.

This susceptibility appears at best not to be very great and is sub-

ject to considerable individual variation.

The virus of measles gives no visible growth in standard glucose broth in a fermentation tube.

We again wish to express our thanks to Dr. William A. White, superintendent of the Government Hospital for the Insane, and his associates, to Dr. J. D. Morgan and to Dr. Robert J. Wilson for access to cases of measles.

CHART 1.

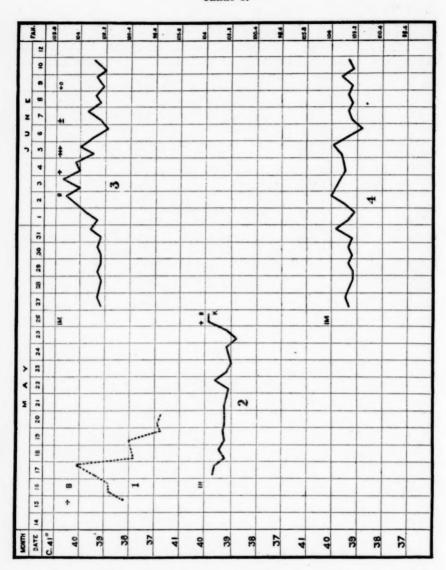


Fig. 1. Temperature curve of case 4, the source of the virus used for inoculation of rhesus Nos. 6 and 8 (figs. 2 and 5).

- rhesus Nos. 6 and 8 (figs. 2 and 5).

 2. Temperature curve of rhesus No. 6, inoculated with 2.5 c. c. defibrinated blood of case 4 (fig. 1) into heart.
- of case 4 (fig. 1) into heart.
 3. Temperature curve of rhesus No. 35, inoculated with defibrinated blood of rhesus No. 6.
- Temperature curve of rhesus No. 37, inoculated with defibrinated blood of rhesus No. 6.

CHART 2.

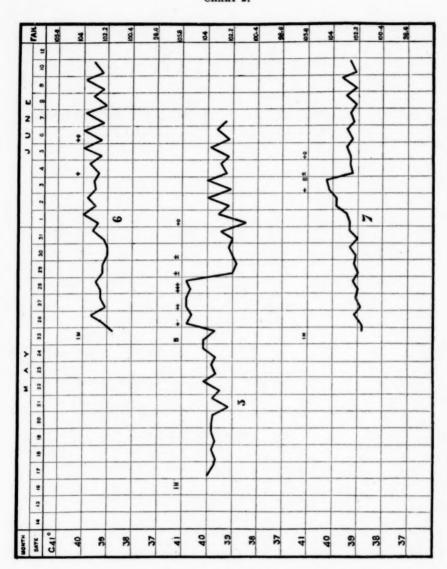


Fig. 5. Temperature curve of rhesus No. 8, inoculated in brain with 0.5 c. c. and into peritoneum with 3 c. c. defibrinated blood of case 4 (fig. 1).
6. Temperature curve of rhesus No. 20, inoculated with defibrinated blood of

rhesus No. 8.
7. Temperature curve of rhesus No. 22, inoculated with defibrinated blood of rhesus No. 8.

UNITED STATES.

MUNICIPAL ORDINANCES, RULES, AND REGULATIONS PERTAINING TO PUBLIC HYGIENE.

[Adopted since Jan. 1, 1910.]

WASHINGTON, D. C.

POLIOMYELITIS-NOTIFICATION AND ISOLATION.

Ordered, That every person in charge of any patient in the District of Columbia who is suffering from acute anterior poliomyelitis, commonly known as infantile paralysis, immediately after becoming aware of the existence of such disease shall send to the health officer of said District a certificate, written in ink, signed by such person, stating the name of the disease, the name, age, sex, and color of the person suffering therefrom, and the school which he or she has attended, if any, and setting forth by street and number, or by other sufficient designation, the location of the house, room, or other place in which said patient can be found. As soon as practicable after the temperature of any patient suffering from acute anterior poliomyelitis returns to normal, or, if the temperature of any such patient has not to the knowledge of the person in charge of said patient been above normal, then the person in charge shall send to the health officer of said District a certificate written in ink and certifying to that fact.

Sec. 2. The term "person in charge of any patient," as used in these regulations, shall be held to mean, first, each physician in attendance on, called in to visit, or examining a patient, unless called in to visit or examining the patient solely as a consultant to a physician already in attendance; second, in the absence or disability of any physician aforesaid, or in event of default on the part of such physician, the head of the family to which the patient belongs; third, in the absence or disability of such person, or in event of default on the part of the physician aforesaid, the nearest relative or relatives of such patient present on the premises and in attendance on such patient; fourth, in the absence or disability of all persons aforesaid, or in event of default on the part of the physician aforesaid, every person in attendance on such

Sec. 3. It shall be the duty of the person in charge of any patient suffering from acute anterior poliomyelitis, if said person has power and authority so to do, to adopt each and every of the following precautions to prevent the spread of such disease:

(a) To isolate the patient immediately upon the discovery of the nature of the dis-

ease, as thoroughly as is practicable, from all persons who are not suffering from the same disease and who are not necessarily in attendance upon the patient, and to maintain such isolation until the temperature of the patient has returned to normal and for two weeks thereafter, or the death of the patient.

(b) To disinfect each and every article used by or about the patient and all excreta from the patient, and such other articles, if any, as have been specially exposed to infection, before the removal of such article or excreta from said room or rooms if

practicable, and otherwise as soon thereafter as is practicable.

(c) To disinfect the room or rooms occupied by the patient, and all articles contained therein, before said room is again occupied and within three days after the removal, recovery, or death of the patient unless such disinfection has been done by the health officer.

Sec. 4. It shall be unlawful for any person having power and authority to prevent, to permit a patient suffering from acute anterior poliomyelitis, at any time between the onset of the disease and the expiration of two weeks after the return of the patient's temperature to normal, to do, and it shall be unlawful for any such patient to do, any of the following things:

(a) To appear upon the public street.

(b) To appear in school, church, store, or place of amusement, or in any other place of public assemblace

(c) To enter a public conveyance, except a vehicle designated by the health officer for the conveyance generally of persons suffering from minor contagious diseases, or a vehicle designated by the health officer for the conveyance of the particular case.

(d) To go or to be carried from place to place over the public streets without authority from the health officer, except that in case of an emergency, and prior to the reporting of a case, the patient may be moved, under direction of a registered physician, from the place where the case is found to some other place in the District of Columbia suitable for its reception, but in such instances the report cards shall indicate the place where the case occurred as well as the place to which the patient has been moved.

SEC. 5. No person shall knowingly expose himself or any other person, or if he has power and authority to prevent, permit any other person to be exposed, to infection by acute anterior poliomyelitis, unless such exposure is necessary for the proper care and

treatment of the patient.

SEC. 6. No person who is nursing a patient suffering from acute anterior poliomyelitis shall mingle with other persons who are not so engaged and who are not suffering from the disease from which the patient is suffering, until after said person has removed such outer garments as have been worn in the sick room and has properly disinfected the hands and face and the hair if the hair has not been covered while in the sick room.

Sec. 7. No person residing in any dwelling house or in any family when there is in said dwelling house or family a patient suffering from acute anterior poliomyelitis shall while so residing and prior to the expiration of two weeks after the temperature of the patient has returned to normal, attend public or private school or Sunday school.

Sec. 8. The health officer shall make such investigations into the nature and origin of cases of acute anterior poliomyelitis occurring in the District of Columbia as in his judgment may be necessary to prevent the spread of said disease and shall cooperate with persons having charge of patients suffering from such disease as he deems needful for the prevention of the spread thereof. And in the discharge of each and every of the duties herein imposed the health officer may act not only in person but also through employees in the service of the health department duly designated by him for that purpose.

Sec. 9. No person shall interfere with the health officer or with any officer, employee, or agent of the health department in the enforcement of these regulations.

Sec. 10. Any person who is suffering from symptoms that so resemble those of actue anterior poliomyelitis that they can not be distinguished therefrom with reasonable certainty shall be regarded for the purposes of these regulations as suffering from said disease.

Sec. 11. Any person who violates any of the provisions of these regulations shall be punished upon conviction thereof by a fine not exceeding \$50 for the first offense and for each subsequent offense by a fine not exceeding \$100.

The above regulations to be effective on and after June 12, 1911. [Regulation of the Commissioners of the District of Columbia, promulgated May 3, 1911.]

PASSAIC, N. J.

MILK-CARE AND SALE OF.

Resolved, That on and after this date no loose milk shall be sold from cans, except from proper booths built from plans and specifications adopted by this board, and that licenses shall be granted to retailers not selling from such booths only on condition that milk be sold from bottles and that all licenses from said date be granted subject to the above conditions. [Resolution, board of health, adopted Jan. 25, 1911.]

Plans and specifications for the milk booth can be had by applying at the office of the board of health.

SEATTLE, WASH.

PROTECTION OF FOODSTUFFS.

Section 1. It shall be unlawful to keep, offer for sale, or expose for sale any meat, game, fish, fowl, vegetables, fruit, or prepared food products in open receptacles or broken packages less than two (2) feet above the floor of any building, storeroom, or place in which the same may be sold or offered for sale. It shall also be unlawful to keep smoked fish, cheese, cooked meats, figs, dates, dried fruits, olives, sauerkraut, mince meat, lard, butter, butterine, candy, crackers, cakes, bread, or any prepared food for sale or exposed for sale, unless the same is protected in such manner as to exclude, so far as possible, dust, flies, or other insects from coming in contact therewith.

June 16, 1911 898

Apples, oranges, lemons, and fruits which are generally or frequently eaten in the raw condition, when offered for sale in broken packages, shall at all times be so protected by screens or netting as to exclude flies or other insects. All fruits, vegetables, meats, and other foods kept, sold, or offered for sale, shall be kept in receptacles free from decayed matter of every kind.

Sec. 2. All meats, bread, or other food products in transportation from places where such animals are slaughtered, or such food products prepared, shall be protected in

such manner while in transit as to exclude dust, flies, or other insects.

Sec. 3. It shall be unlawful to prepare, keep for sale, or sell any kind of meat, fish, fowl, game, vegetables, fruits, or other foods in any room in which a toilet is located or in any room opening directly into a toilet unless there is outside ventilation in such toilet room.

Sec. 4. Any building, place, or vehicle to be occupied or used by any street vendor of tamales, candy, or other human food shall be inspected and approved by the department of health and sanitation before license shall issue to such vendor to conduct

such business

Sec. 5. It shall be unlawful for any person or persons to keep live chickens, ducks, turkeys, or other fowls in any cellar or basement underneath any grocery store, mar-

ket, or other place where food or food products are kept for sale.

Sec. 6. Any person found guilty of a violation of any of the provisions of this ordinance shall be fined in any sum not exceeding \$100 or imprisoned in the city jail for a term not exceeding thirty (30) days, or may be both fined and imprisoned. [Ordinance No. 24027, approved May 9, 1910.]

STABLES-CONSTRUCTION AND MAINTENANCE.

Sec. 148. Concrete floors.—All stable floors shall be constructed of concrete at least 4 inches thick, with a smoothly troweled wearing surface at least three-fourths inch thick composed of Portland cement and an equal quantity of sand: Provided, That in lieu of a cement wearing surface vitrified paving brick with grouted joints may be substituted. No concrete or brick stable floor shall be supported by wood joists or be

laid on plank.

Wood floors.—Provided, however, That in case no part of said stable floors is less than 18 inches above the ground thereunder or adjacent thereto they may be constructed of wood not less than 3½ inches thick, composed of two thicknesses of tongued and grooved or splined plank driven tight, with white-lead paste in all joints, or of one thickness, with all joints calked with oakum and pitch. All wood floors in stables must be built and maintained so as to be water tight, must have adequate provision for expansion if within masonry walls, and must have thorough cross ventilation beneath same.

Drainage.—All stall floors shall drain into gutters; the said gutters and all sumps for washing vehicles shall be connected to a drainage system of cast-iron pipe leading to a trapped catch basin, and from such catch basin proper connection shall be made to a public sewer or cesspool. Openings from gutters and sumps to drains shall be protected by iron strainers set in iron frames so as to be removable. Drainage pipe shall not be less than 4 inches in diameter, except that laterals draining but one stall may be of 3-inch pipe. Catch basins must be constructed of masonry or iron and be at least 2 feet in any internal dimension and be provided with vent pipe not more than 8 inches from seal.

Flushing.—A \(\frac{3}{4}\)-inch hose bib, equipped with hose, shall be so placed that the drainage system may readily be flushed, and it shall be required that all stable floors

be thoroughly cleansed and flushed at least twice each week.

Fire hose.—Stables capable of accommodating 10 or more animals shall be provided with fully equipped fire-hose reels or racks connected to an adequate source of water supply through not less than 1½-inch pipe; said reels or racks shall be of such number and so placed that with 50 feet of hose and ¾-inch nozzle with a water pressure of 20 pounds per square inch all parts of the building may be reached.

Manure.—All stables must be provided with water-tight and tightly closed receptacles for manure of such dimensions as to contain all accumulations of manure, and no manure shall be allowed to accumulate on the floors or on adjacent grounds: Provided, however, That on premises in the third building district of 1 acre or more in extent manure may be stacked with the approval of the commissioner of health. Receptacles for manure located within any building shall be vented through an airtight shaft of at least 48 inches sectional area leading to and above the level of the roof and to a point more than 20 feet from any adjacent property.

Exits.—All stables capable of accommodating 10 animals shall have at least two exits 5 feet or more in width at least 30 feet apart and at opposite ends of the building

899

when practicable. All stables capable of accommodating more than 10 and less than 50 animals shall have exits as hereinabove required, except that the width thereof shall be increased 6 inches for each additional 10 animals. All stables capable of accommodating more than 50 animals shall, in addition to the exits hereinbefore required, have an additional exit or exits as, in the judgment of the superintendent of buildings, the exigency of the case may require.

Runways.—Stables located above the ground floor shall have runways equal in number and width to the exits required by this ordinance, terminating at the exits,

said runways to have no greater pitch than 6 to 12.

Stable yards.—No portion of the ground adjacent to any stable shall be used for

the purpose of allowing animals to stand or run at large.

Public stables.—It shall be unlawful to erect or convert a building to be used as a stable within the third building district to house animals for hire or as a boarding, community, or dairy stable, without there be filed with the application for a permit the written consent thereto of the owners of two-thirds of the remaining property located within 500 feet of the proposed stable, provided, however, that should there be no building within 500 feet of the proposed stable occupied as a dwelling, flat, apartment, tenement house, or school, such signatures of consent shall not be required.

Sec. 149. Permit.—No permit shall issue for the erection or alteration of a building to be used as a stable or for alterations intended to increase the capacity of a stable unless the location of said stable be approved by the board of public works after the said board has given a public hearing to the applicant and to those desiring to protest against the approval of such location; provided, however, that should no protest in writing be filed in the office of the superintendent of buildings within two weeks of the date that application for permit for such erection or alteration is made, the location shall be deemed approved, and the superintendent of buildings is authorized to issue such permit subject to conditions described in section 148 hereof.

Protests.—Protests against the location of a stable or the increase in capacity of a stable must be in writing, signed by the owners of property within 500 feet of the

proposed stable, and such protest must plainly indicate by lot and block number the location of property owned by the protestant.

Placard.—It shall be the duty of the superintendent of buildings to cause a placard to be conspicuously posted on the site of any proposed stable not later than 48 hours after the filing of the application for a permit to erect or alter the same, stating thereon the number of animals to be accommodated, the date of filing of application, the date of public hearing in the event of protests being filed, and giving all necessary instruc-

tions for the preparation and filing of protests.

Exempt district.—The provisions of this section shall not apply to applications for permits to erect buildings for stable purposes in the first building district, or to erect, alter, or convert buildings for stable purposes when located more than 500 feet from any building occupied as a flat, apartment, hotel, school, or dwelling house. tions of ordinance No. 17240 as amended by ordinance No. 24164 approved May 23, 1910.]

PLAGUE-PREVENTION WORK.

INFECTED GROUND SQUIRRELS.

During the week ended May 27, 1911, the finding of 3 plague-infected ground squirrels was reported as follows: In Alameda County, Cal., May 24, at M. J. Cull ranch, 1 squirrel; in San Joaquin County, Cal., May 13, at Cheresky ranch, 5 miles north of Ripon, 1 squirrel; and May 17, at E. D. Moulton ranch, 1 mile northwest of Ripon, 1 squirrel.

DISTRIBUTION OF POISON.

In connection with the making of a squirrel-free zone around the cities of California, on San Francisco Bay, 590 acres of land in Alameda County were covered with poison during the week ended May 27, 1911.

Record of Plague Infection.

Places.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number of rodents found infected since May, 1907.
California: Cities—				
San Francisco	Jan. 30, 1908	Oct. 23, 1908	None	398 rats.
Oakland	Oct. 26, 1909	Dec. 1, 1908	do	126 rats.
Berkeley	Aug. 28, 1907	None	do	None.
Los Angeles	Aug. 11, 1908	do	Aug. 21, 1908	1 squirrel.
Counties—				
Alameda (exclusive of Oakland and Berke- ley).	Sept. 26, 1909	Wood rat, Oct. 17, 1909.	}May 24, 1911	103 squirrels. 1 wood rat.
Contra Costa	July 21, 1908	None	Apr. 3, 1911	248 squirrels.
Merced	None	do	Mar. 20, 1911	3 squirrels.
Monterey		do	June 6, 1910	4 squirrels.
San Benito		do	July 11, 1910	20 squirrels.
San Joaquin	None	do	May 17, 1911	15 squirrels.
San Luis Obispo	do	do	Jan. 29, 1910	1 squirrel.
Santa Clara	Aug. 23, 1910	do	Oct. 5, 1910	23 squirrels.
Santa Cruz	None	do	May 17, 1910	3 squirrels.
Stanislaus	do	do	Apr. 10, 1911	11 squirrels.
Washington:				-
Cities—				
Seattle	Oct. 30, 1907	Feb. 8, 1910	None	22 rats.

Rats Collected and Examined for Plague Infection.

· Places.	Week ended—	Found dead.	Total collected.	Exam- ined.	Found infected.
California: Cities—	16- 07		1101	0.4	
Berkeley Oakland San Francisco	do	37 28	1 124 2 611 3 1, 611	84 473 1.053	*********
Counties— Santa Clara.		28	42	1,055	*********
Washington: Cities—				-	
	do		1,143	974	
Total		65	3, 491	2,586	

Identified, Mus norvegicus 89, Mus musculus 35.
 Identified, Mus norvegicus 545, Mus musculus 66.
 Identified, Mus norvegicus 962, Mus musculus 357, Mus rattus 159, Mus alexandrinus 133.
 Identified, Mus alexandrinus 2.

Squirrels Collected and Examined for Plague Infection.

Places.	Week ended—	Shot or trapped.	Found dead,	Exam- ined.	Found infected,
California:					
Counties					
	May 27	86	8	94	1
Colusa	do	66		66	
Contra Costa	do	65		65	
Eldorado	do	25		25	
Fresno	do	115		115	
Glenn	do	59		59	
Kern.	do	8		8	
Lake	.do	143		143	
Los Angeles	.do	298		295	
Madera	.do	245		241	
Mariposa	.do	86		86	
Mendocino	.do	142	10	152	
36	.do	339	2	335	********
	.do	1,280	2	1.271	
Monterey Nevada	.do	7,200	-	1,211	********
73.	.do	267	*******	265	********

San Benito	.do	168	********	168	
San Bernardino	do	43	********	43	
San Joaquin	.do	331		331	2
San Luis Obispo	.do	333		330	
San Mateo	.do	41		41	
Santa Clara	do	185	9	194	
Siakiyou	.do	31		31	
Sonoma	.do	40		40	
Stanislaus	.do	289		289	
Sutter	.do	5		5	
Tehama	.do	25		25	
Yolo	.do	85		85	
Oregon:		-			
County—	- 1				
Jackson	.do	20		20	
Total		4.897	31	4.829	3
Total		4,827	31	4,829	

Other Animals Collected and Examined.

Places.	Week ended—	Animals collected.	Exam- ined.	Found infected.
Ilifornia: Counties	May 27	4 kangaroo rats	3 7 3 3 7 15 3 4 10 5 9 1 1 3	
Yolo	do	1 rabbit. 6 rabbits	6	
Total			88	

SMALLPOX IN THE UNITED STATES.

In the following tables the States indicated by an asterisk are those from which reports of smallpox are received only from certain city and, in some cases, county boards of health. In these States, therefore, the recorded cases and deaths should not be taken as showing the general prevalence of the disease. In the States not marked by an asterisk the reports are received monthly from the State boards of health and include all cases reported throughout the State.

Reports Received During Week Ended June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Montgomery	May 28-June 3	2		
*Arkansas: Little Rock	May 1-31	4		
California:				
Counties— Fresno	Apr 1.20	8		
Los Angeles	do	11		
			-	
Total for State		19		
Colorado Counties—	Jan. 1-Mar. 31	3		Not previously reported
Adams	Apr. 1-30	2		
Archuleta	do	1		
Boulder	do	5		
Chaffee	do	10		
Conejos	do	23		
Delta		1		
Denver	do	75		
Douglas	do	1		
El Paso		1		
Fremont		3	********	
Garfield		4		
Gunnison		21		
Huerfano		2	********	
Larimer		26		
Las Animas Lincoln		15 26		

Montrose Otero	do	10	*******	
Pueblo	do	31		
Routt	do	9	********	
Rio Grande	do	4		
San Miguel	do	3		
Teller		. 1		
Weld		9		
Total for State		284		
Chaffee	May 1-31	7		
Clear Creek	do	1		
Delta		4		
Denver		48		
Ebert		1		
El Paso		9	********	
Jefferson	do	5.	********	
Larimer	do	20		
Las Animas		5	********	
Lincoln		1		
Logan		î		
Mesa		3		
Moffat		3		
Otero		9		
Pitkin		i		
Pueblo.		4		
Routt	do	2		
San Miguel	do	2		
Weld	do	11		
Total for State		139		
onnecticut	May 1-31			
				No cases.

Reports Received During Week Ended June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
District of Columbia	May 28-June 3	6		
Florida:				
Counties—				
Alachua	May 21-27	2 2		
Brevard	do	2		
Duval		23		
De Soto	do	1	********	
Escambia Hillsboro	do	6	********	
Jackson	do	38	*********	
Putnam		11		
Polk		4		
Santa Rosa	do	2		
St. John	do	2		
Total for State		92		
Iowa:				
Counties—	M 1 01			
Adams	do	5		
Audubon	do	1		
Clay	10	1		
Clay Crawford	do	i		
Decatur	do	i		
Fremont	do	24		
Guthrie	do	1		
Jasper	do	1	1	
Johnson	do	2		
Keokuk	do	1		
Linn	do	29	********	
Lyon Madison	do	5	*******	
Marshall	do	7		
Mills	do	10		
Polk	.do	22		
PolkPottawattamie	do	15		
Sack	do	7		
Scott	do	8		
Shelby	do	1		
Taylor	do	1		
Total for State		147	1	
Louisiana:				
New Orleans	May 28-June 3	5		
Maryland:			4	
Counties—				
Frederick	May 1-31	2		
Washington	do	7		
Total for State		9		
		9	*******	
Massachusetts:				
Counties—	W 1 01			
Essex	May 1-31	1		
Norfolk	do	2		

Total for State		4		
Missouri:				
Kansas City	Mar. 1-31	60		
St. Louis	Apr. 1-30	62		Including 44 cases previously re
	May 20-27	10		ported.
Total for State		132		
New Hampshire	Jan. 1-June 8	30		Approximate.
North Dakota:	2			• •
Counties—				
Barnes	May 1-31	1		
Barnes	do	2		
Cass	do	1		
Nelson	do	2		
Stutsman	do	1		
1 rail	do	1	*******	
Total for State		8		

SMALLPOX IN THE UNITED STATES—Continued. Reports Received During Week Ended June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Pennsylvania	Apr. 1-30	13		
South Dakota	Jan. 1-31. Feb. 1-28. Mar. 1-31.	66 102 81		
Total for State	*******	249		
* Tennessee: Nashville	May 28-June 3	1		
Washington: Counties— Chehalis. Clallam Cowlitz. Grant. King Kittitas Lewis. Mason	Apr. 1-30	7 4 1 14 47 1 5		
Pierce. Skagit Snohomish Spokane Thurston Whatcom Whitman Yakima	de d	6 8 2 3 1 16 7		
Total for State		138		

Reports Received from Dec. 31, 1910, to June 9, 1911.

[For reports received from June 25, 1910, to Dec. 30, 1910, see Public Health Reports for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Places.	Date.	Cases.	Deaths.	Remarks.
*Alabama: Birmingham Mobile Quarantine Station.	Apr. 2-May 6 May 8	4		One case from steamship Alamo from New York via Key Wes
Montgomery	Dec. 11-May 27	29		and Tampa.
Total for State	****************	33		
California:				
Counties-				
Alameda	Dec. 1-31	3		
Imperial	do	1		
Humboldt	Dec. 1-Jan. 31	2		
Kern	Dec. 1-31	1		
Los Angeles	Dec. 1-Mar. 31	2		
Mariposa	Jan 1-31	1		
Monterey	Mar. 1-31	1		
Napa	do	i		
Riverside	Jan. 1-Mar. 31	24	1	
San Bernardino		3		
			1	
San Diego	Dec. 1-Feb. 28	16	1	
San Francisco	do	11		
San Joaquin	Dec. 1-31	2		
Santa Clara	Feb. 1-28	1		
Santa Cruz	F b. 1- Mar. 31	2		
Ventura	Jan. 1-31	9		
Total for State		80	2	
Colorado:				
Counties—			1	
Adams	Dec. 1-Jan. 31	6		
Arapahoe	Dec. 1-Feb. 28	19		
Archuleta	Dec. 1-Mar. 31	35		
Boulder	do	28		
Chaffee	Mar. 1-31	2		
Conejos	Dec. 1-31	2		
Costilla	Jan. 1-31	5	********	
	Feb. 1-Mar. 31	11	********	
Delta	Feb. 1-Mar. 31	11		

Places.	Date.	Cases.	Deaths.	Remarks.
Colorado—Continued.				
Counties—Continued.				
Denver	Dec. 1-Mar. 31 Mar. 1-31	317		
Douglas	Mar. 1-31	1		
Eagle	Jan. 1-31	1		
Elbert	Feb. 1-Mar. 31	21		
El Paso	Dec. 1-Mar. 31	26		
Fremont	do	12		
Garfield	Jan. 1-31	4		
Gilpin	do	1		
Grand	Dec. 1-31	2		
Gunnison	Mar. 1-31	1		
Huerfano	Dec. 1-Mar. 31			
Jefferson	do	15	********	
Kit Carson	Jan. 1-31	1	********	
La Plata	Dec. 1-Mar. 31 Jan. 1-Mar. 31	24		
Larin.er	Jan. 1-Mar. 31	99		
Las Animas	Dec. 1-Mar. 31 Mar. 1-31	51		
Lincoln	Mar. 1-31	2	********	
Logan	do	2		
Mineral	Jan. 1-31	2		
Montezuma	Dec. 1-31 Jan. 1-Mar. 31	1		
Montrose	Jan. 1-Mar. 31	15		
Morgan	Dec. 1-Mar. 31 Feb. 1-Mar. 31	54		
Otero	Feb. 1-Mar. 31	11	*******	
Phillips	Feb. 1-28 Dec. 1-Mar. 31	20	********	
Pueblo	Dec. 1-Mar. 31	6	1	
Rio Grande	Jan. 1-Mar. 31	14	*******	
Saguache	Dec. 1-31 Mar. 1-31	3	*******	
Sedgwick	Mar. 1-31	1	********	
Summit	Feb. 1-28	9	********	
Teller	Jan. 1-Mar. 31		*******	
Weld Yun:a	Feb. 1-Mar. 31 Mar. 1-31	10		
I un:a	Mar. 1-31		*******	
Total		858	1	
onnecticut	Dec 1-Apr 30			No cases.
Delaware: Reedy Island Quarantine				One case from s. s. Haverfor
				from Liverpool.
District of Columbia	Jan. 15-May 27	17		
florida: Counties—				
Vicebrae	Dog 10 Apr 99	88	1	
Alachua	Dec. 18-Apr. 22		1	
Baker	Jan. 8-14 Jan. 16-May 6	1	********	
Bradford	Fab. 10 May 20	8 7		
Calbour	Feb. 19-May 20 Jan. 29-Mar. 25	27		
Calhoun	Jan. 29-Mar. 20	2	*******	
Clay	Jan. 8-Mar. 11	11		
Dada	May 16–22 Dec. 25–May 13	6	*******	
Dade De Soto	Mar. 1-May 13 Jan. 1-May 20 Jan. 1-May 13 Jan. 8-May 13	6	********	
Duval	Ian 1-May 20	340	1	
Escambia	Jan 1-May 13	123		
Franklin	Ian & May 13	27	1	
Gadsden	Dec 18-May 13	128		
Hamilton	Dec. 18-May 13 Mar. 26-Apr. 1 Dec. 25-May 20	1		
Hillsboro	Dec. 25-May 20	131	********	
Jackson	Dec. 25-May 13 Mar. 19-25 Feb. 5-May 6	193		
Fernando	Mar 19-25	1		
Jefferson	Feb. 5-May 6	5		
Lafayette	Jan. 16-Feb. 4	6		
Lake	Jan. 16–Feb. 4 Jan. 22–Apr. 8 Jan. 8–Mar. 4	11		
Lee	Jan. 8-Mar. 4	21		
	Dec 10 Man 6	144	2	
Leon		4		
Leon	Dec. 18-May 6 Jan. 29-May 6			
Levy	Jan. 29-May 6	7	********	
LevyLiberty	Jan. 29-May 6 Feb. 26-Apr. 15 Dec. 18-Jan. 21	19	*********	
LevyLibertyMadison	Jan. 29-May 6 Feb. 26-Apr. 15 Dec. 18-Jan. 21 Mar. 26-Apr. 1		•••••	
LevyLibertyMadisonManatee	Jan. 29-May 6 Feb. 26-Apr. 15 Dec. 18-Jan. 21 Mar. 26-Apr. 1	19	*********	
Levy Liberty Madison Manatee Marion	Jan. 29-May 6 Feb. 26-Apr. 15 Dec. 18-Jan. 21 Mar. 26-Apr. 1 May 7-13 Jan. 16-21	19		
Levy Liberty Madison Manatee Marion Nassau	Jan. 29-May 6 Feb. 26-Apr. 15 Dec. 18-Jan. 21 Mar. 26-Apr. 1 May 7-13 Jan. 16-21	19 1		
Levy Liberty Madison Manatee Marion Nassau Orange	Jan. 29-May 6 Feb. 26-Apr. 15 Dec. 18-Jan. 21 Mar. 26-Apr. 1 May 7-13 Jan. 16-21 do Mar. 25.	19 1 1 2 1 3		
Levy Liberty Madison Manatee Marion Nassau Orange Oscoola Pasco	Jan. 29-May 6 Feb. 26-Apr. 15 Dec. 18-Jan. 21 Mar. 26-Apr. 1 May 7-13 Jan. 16-21 do Mar. 25.	19 1 1 2 1 3 5		
Levy Liberty Madison. Manatee Marion. Nassau Orange Osecola Pasco	Jan. 29-May 6. Feb. 26-Apr. 15. Dec. 18-Jan. 21. Mar. 26-Apr. 1 May 7-13. Jan. 16-21. do. Mar. 25. Apr. 2-8. Apr. 2-8. Apr. 2-8.	19 1 1 2 2 1 3 5		
Levy Liberty Madison Manatee Marion Nassau Orange Osceola Pasco Polk	Jan. 29-May 6. Feb. 26-Apr. 15. Dec. 18-Jan. 21. Mar. 26-Apr. 1 May 7-13. Jan. 16-21. do. Mar. 25. Apr. 2-8. Apr. 2-8. Apr. 2-8.	19 1 1 2 2 1 3 5 151		
Levy Liberty Madison. Manatee Marion. Nassau Orange Osceola Pasco Polk Putnam St. John	Jan. 29-May 6. Feb. 26-Apr. 15. Dec. 18-Jan. 21. Mar. 26-Apr. 1 . May 7-13. Jan. 16-21. do. Mar. 25. Apr. 2-8. Dec. 18-May 20. Feb. 12-Apr. 22. Jan. 22-May 6.	19 1 1 2 1 3 5 151 9		
Levy Liberty Madison. Manatee Marion. Nassau Orange Osceola Pasco Polk Putnam St. John	Jan. 29-May 6. Feb. 26-Apr. 15. Dec. 18-Jan. 21. Mar. 26-Apr. 1 . May 7-13. Jan. 16-21. do. Mar. 25. Apr. 2-8. Dec. 18-May 20. Feb. 12-Apr. 22. Jan. 22-May 6.	19 1 1 2 1 3 5 151 9 7		
Levy Liberty Madison. Manatee Marion. Nassau Orange Osceola Pasco Polk Putnam St. John	Jan. 29-May 6. Feb. 26-Apr. 15. Dec. 18-Jan. 21. Mar. 26-Apr. 1 May 7-13. Jan. 16-21. do. Mar. 25. Apr. 2-8. Apr. 2-8. Apr. 2-8.	19 1 1 2 1 3 5 151 9		

Places.	Date.	Cases.	Deaths.	Remarks.
Florida—Continued.				
Counties—Continued				
Suwanee	Jan. 16-21	1		
SuwaneeTaylorVolusia	Jan. 8-Feb. 4	140		
Volusia	May 20	16		
Wakula	Mar. 1-31	2		
Walton	Dec. 25-Feb. 25	8		
Washington	Jan. 8-Apr. 8	8	********	
Total for State		1,711	5	
leorgia:				
Macon	Mar. 1-Apr. 30	14		
linois:				
Counties-				
Adams	Feb. i-Apr. 30	6		
Alexander	Apr. 1-30	1		
Bond	Jan. 1-Apr. 30	10		
Carroll	Apr. 1-30. Jan. 1-Apr. 30. Feb. 1-28.	1		
Clay	Feb. 1-Mar. 31	. 4		
Clinton	Mar. 1-Apr. 30	44		
Coles	Dec. 1-Apr. 30	15	*******	
Cook.	do	59	******	
Douglas	Mar. 1-Apr. 30	8	******	
Edgar. Effingham	Dec. 31-Feb. 28	9		
Emngnam	Apr. 1.30	5		
Fulton	Apr. 1-30 Mar. 1-Apr. 30		********	
Jackson	Mar. 1-Apr. 30	10	********	
Jasper	Dec. 1-31	4	******	
Jenerson	.do	30		
Kane	Dec. 1-Apr. 30	30		
Livingston Logan	Mar. 1-31 Apr. 1-30	3	********	
McLean	Top 1 Apr 20	28		
Macoupin	Jan. 1–Apr. 30 Feb. 1–Mar. 31	23		
Madison	Dog 1-Apr 20	22		
Mercer	Dec. 1-Apr. 30 Apr. 1-30	1		
Massac	Mar. 1-31	i		
Montgomery	Apr. 1-30	6		
Morgan	do	5		
Morgan	do	9		
Perry	Dec. 1-31	2		
Pulaski	Mar. 1-Apr. 30 Mar. 1-31 Apr. 1-30	3		
Rock Island	Mar. 1-31	ĭ		
Saint Clair	Apr. 1-30	7		
Saline	Jan. 1-Feb. 28	8		
Shelby	Mar. 1-Apr. 30 Jan. 1-31 Mar. 1-31	8		
Stevenson	Jan. 1-31	3		
Tazewell	Mar. 1-31	2		
Union	Dec. 1-Feb. 28	17		
Vermilion	Jan. 1-Apr. 30	20		
Washington	Jan. 1–Apr. 30 Feb. 1–28	1		
White	Apr. 1-30	12		
Williamson	Apr. 1-30 Jan. 1-31	1		
		368		
Total for State		308		
ana: Counties— .				
Adams	Feb. 1-28	6		
Allen	Feb. 1-Apr. 30			
Benton	Apr. 1-30.	5		
Blackford	Apr. 1-30 Feb. 1-Apr. 30	21		
Cass	Ion L. Ang 20	29	1	
Clark	Mar. 1-Apr. 30 Feb. 1-Apr. 30 Feb. 1-28 Jan. 1-Apr. 30	21		
Clay	Feb. 1-Apr. 30	ĩi		
Daviess	Feb. 1-28	1		
Decatur	Jan. 1-Apr. 30	4		
Dekalb	Dec. 1-Feb. 28.	9		
Delaware	Feb. 1-Apr. 30	19		
Elkhart	Dec. 1-Feb. 28 Feb. 1-Apr. 30 Dec. 1-31	5		
Floyd	Apr. 1-30 Mar. 1-Apr. 30 Feb. 1-28 Dec. 1-Apr. 30	4		
Fountain	Mar. 1-Apr. 30	3	1	
Greene	Feb. 1-28	1		
Greene	Dec. 1-Apr. 30	49		
	Feb. 1-Apr. 30	5		
Huntington				
Huntington	Apr. 1-30	1		
Jay	Apr. 1–30 Jan. 1–31	6		
Jay	Feb. 1-Apr. 30 Apr. 1-30 Jan. 1-31 Dec. 1-Mar. 31 Mar. 1-31			

Indiana		Date.	Cases.	Deaths.	Remarks.
Counties—Continued. Laporte. Apr. 1-30	Indiana_Continued		-		
Laporte					
Monroe Mar. -31		Apr 1_30			
Monroe Mar. -31	Madian	Dec 1 A 20			
Monroe Mar. -31	Madison	Dec. 1-Apr. 30			
Monroe Mar. -31	Marion	Jan. 1-Apr. 30			
Monroe Mar. -31	Miami	Apr. 1-30			
Monroe	Montgomery	Dec. 1-Mar. 31	15		
Note	Monroe	Mar. 1-31	1		
Posey	Noble	Jan. 1-31			
Shelby		Ian 1-Apr 30			
Shelby	Dulcold	Ame 1 20	- 1	********	
St. Joseph. Feb. 1-Apr. 30. 8 Steuben. Jan. 1-Feb. 28. 7 Sullivan. Mar. 1-Apr. 30. 3 Tippecanoe. Mar. 1-31. 1 Tipton. Apr. 1-30. 7 Vermillon Jan. Mar. 31. 12 Wabash. Feb. 1-Mar. 31. 18 Warren. Jan. 1-Apr. 30. 28 Wells. Mar. 1-Apr. 30. 28 White. Apr. 1-30. 2 Total for State Feb. 1-Mar. 31. 13 Backhawk. Feb. 1-Apr. 30. 28 Boone. Feb. 1-28. 1 Boone. Feb. 1-28. 1 Carroll. Mar. 1-31. 3 Cherokee. do. 1 Dallas. Feb. 1-Mar. 31. 3 Decatur. Mar. 1-31. 2 Dubuque. Feb. 1-28. 1 Fayette. Apr. 1-30. 2 Fremont. Feb. 1-Mar. 31. 8 Grundy. Apr. 1-30. 1 Guthrie. Jan. 1-Apr. 30. 8 Hancock Jan. 1-Apr. 30. 1 Johnson. Jan. 1-Apr. 30. 1 Johnson. Jan. 1-31. 1 Jones. Apr. 1-30. 1 Johnson. Jan. 1-31. 1 Jones. Apr. 1-30. 1 Lucas. Jan. 1-31. 1 Luca	ruiaski	Apr. 1-30			
Solilvan	Shelby	Mar. 1-31		********	
Solilvan	St. Joseph	Feb. 1-Apr. 30	8	********	
Solilvan	Steuben	Jan. 1-Feb. 28			
Tipton. Apr. 1-30. 7 7 Vermilion	Sullivan	Mar. 1-Apr. 30	3		
Tipton. Apr. 1-30. 7 7 Vermilion	Tippecanoe.	Mar. 1-31			
Vermilion	Tipton	Apr 1-30	7		
Vigo	Vormilion	do		********	
Wabash	verminon	T 1 M 01		********	
Wells. Apr. 1-30. 2 Total for State. 578 2 Swa: Counties— Benton. Jan. 1-Apr. 30. 13 Blackhawk. Feb. 1-Apr. 30. 28 Boone. Feb. 1-28. 1 Buena Visita. Dec. 1-31. 1 Carroll. Mar. 1-31. 3 Cherokee. do. 1 Dallas. Feb. 1-Mar. 31. 3 Decatur. Mar. 1-31. 2 Dubuque. Feb. 1-28. 1 Fayette. Apr. 1-30. 2 Fremont. Feb. 1-Mar. 31. 8 Grundy. Apr. 1-30. 1 Guthrie. Jan. 1-Apr. 30. 8 Hancock. Jan. 1-31. 3 Jowa. Apr. 1-30. 1 Jasper. do. 2 Jefferson. Jan. 1-31. 1 Jones. Apr. 1-30. 1 Jones. Apr. 1-30. 1 Lucas. Jan. 1-31. 1 Lucas. Jan. 1-31. 1 Lucas. Jan. 1-31. 1 Lucas. Jan. 1-31. 1 Lyon. Dec. 1-Apr. 30. 12 Lucas. Jan. 1-31. 1 Lyon. Dec. 1-Apr. 30. 12 Mahaska. Feb. 1-28. 1 Marshall. Dec. 1-Apr. 30. 17 Mil's. Apr. 1-30. 1 Marshall. Dec. 1-Apr. 30. 17 Mil's. Apr. 1-30. 3 Montgomery. do. 3 Muscatine. Mar. 1-31. 3 Plymouth. Mar. 1-31. 3 Page. Dec. 1-Mar. 31. 36 Plymouth. Mar. 1-Apr. 30. 2 Polk. Dec. 1-Apr. 30. 38 Pottawattamie. Jan. 1-Apr. 30. 2 Tama. Mar. 1-31. 1 Taylor. Dec. 1-Apr. 30. 18 Sec. Apr. 1-30. 16 Secott. Dec. 1-Apr. 30. 38 Warren. Dec. 1-Apr. 30. 3 Webster. Dec. 1-Apr. 30. 3 Wendodbury. Dec. 1-Apr. 30. 3 Winnebago. Jan. 1-31. 10 Winnebago. Jan. 1-31. 10 Winnebago. Jan. 1-31. 10 Winnebago. Jan. 1-31. 10	V 1g0	Jan. 1-Mar. 31		*******	
Wells. Apr. 1-30. 2 Total for State. 578 2 Swa: Counties— Benton. Jan. 1-Apr. 30. 13 Blackhawk. Feb. 1-Apr. 30. 28 Boone. Feb. 1-28. 1 Buena Visita. Dec. 1-31. 1 Carroll. Mar. 1-31. 3 Cherokee. do. 1 Dallas. Feb. 1-Mar. 31. 3 Decatur. Mar. 1-31. 2 Dubuque. Feb. 1-28. 1 Fayette. Apr. 1-30. 2 Fremont. Feb. 1-Mar. 31. 8 Grundy. Apr. 1-30. 1 Guthrie. Jan. 1-Apr. 30. 8 Hancock. Jan. 1-31. 3 Jowa. Apr. 1-30. 1 Jasper. do. 2 Jefferson. Jan. 1-31. 1 Jones. Apr. 1-30. 1 Jones. Apr. 1-30. 1 Lucas. Jan. 1-31. 1 Lucas. Jan. 1-31. 1 Lucas. Jan. 1-31. 1 Lucas. Jan. 1-31. 1 Lyon. Dec. 1-Apr. 30. 12 Lucas. Jan. 1-31. 1 Lyon. Dec. 1-Apr. 30. 12 Mahaska. Feb. 1-28. 1 Marshall. Dec. 1-Apr. 30. 17 Mil's. Apr. 1-30. 1 Marshall. Dec. 1-Apr. 30. 17 Mil's. Apr. 1-30. 3 Montgomery. do. 3 Muscatine. Mar. 1-31. 3 Plymouth. Mar. 1-31. 3 Page. Dec. 1-Mar. 31. 36 Plymouth. Mar. 1-Apr. 30. 2 Polk. Dec. 1-Apr. 30. 38 Pottawattamie. Jan. 1-Apr. 30. 2 Tama. Mar. 1-31. 1 Taylor. Dec. 1-Apr. 30. 18 Sec. Apr. 1-30. 16 Secott. Dec. 1-Apr. 30. 38 Warren. Dec. 1-Apr. 30. 3 Webster. Dec. 1-Apr. 30. 3 Wendodbury. Dec. 1-Apr. 30. 3 Winnebago. Jan. 1-31. 10 Winnebago. Jan. 1-31. 10 Winnebago. Jan. 1-31. 10 Winnebago. Jan. 1-31. 10		Feb. 1-Mar. 31		*******	
Wells. Apr. 1-30. 2 Total for State. 578 2 Swa: Counties— Benton. Jan. 1-Apr. 30. 13 Blackhawk. Feb. 1-Apr. 30. 28 Boone. Feb. 1-28. 1 Buena Visita. Dec. 1-31. 1 Carroll. Mar. 1-31. 3 Cherokee. do. 1 Dallas. Feb. 1-Mar. 31. 3 Decatur. Mar. 1-31. 2 Dubuque. Feb. 1-28. 1 Fayette. Apr. 1-30. 2 Fremont. Feb. 1-Mar. 31. 8 Grundy. Apr. 1-30. 1 Guthrie. Jan. 1-Apr. 30. 8 Hancock. Jan. 1-31. 3 Jowa. Apr. 1-30. 1 Jasper. do. 2 Jefferson. Jan. 1-31. 1 Jones. Apr. 1-30. 1 Jones. Apr. 1-30. 1 Lucas. Jan. 1-31. 1 Lucas. Jan. 1-31. 1 Lucas. Jan. 1-31. 1 Lucas. Jan. 1-31. 1 Lyon. Dec. 1-Apr. 30. 12 Lucas. Jan. 1-31. 1 Lyon. Dec. 1-Apr. 30. 12 Mahaska. Feb. 1-28. 1 Marshall. Dec. 1-Apr. 30. 17 Mil's. Apr. 1-30. 1 Marshall. Dec. 1-Apr. 30. 17 Mil's. Apr. 1-30. 3 Montgomery. do. 3 Muscatine. Mar. 1-31. 3 Plymouth. Mar. 1-31. 3 Page. Dec. 1-Mar. 31. 36 Plymouth. Mar. 1-Apr. 30. 2 Polk. Dec. 1-Apr. 30. 38 Pottawattamie. Jan. 1-Apr. 30. 2 Tama. Mar. 1-31. 1 Taylor. Dec. 1-Apr. 30. 18 Sec. Apr. 1-30. 16 Secott. Dec. 1-Apr. 30. 38 Warren. Dec. 1-Apr. 30. 3 Webster. Dec. 1-Apr. 30. 3 Wendodbury. Dec. 1-Apr. 30. 3 Winnebago. Jan. 1-31. 10 Winnebago. Jan. 1-31. 10 Winnebago. Jan. 1-31. 10 Winnebago. Jan. 1-31. 10	Warren	Jan. 1-Mar. 31		********	
Wells. Apr. 1-30. 2 Total for State. 578 2 Swa: Counties— Benton. Jan. 1-Apr. 30. 13 Blackhawk. Feb. 1-Apr. 30. 28 Boone. Feb. 1-28. 1 Buena Visita. Dec. 1-31. 1 Carroll. Mar. 1-31. 3 Cherokee. do. 1 Dallas. Feb. 1-Mar. 31. 3 Decatur. Mar. 1-31. 2 Dubuque. Feb. 1-28. 1 Fayette. Apr. 1-30. 2 Fremont. Feb. 1-Mar. 31. 8 Grundy. Apr. 1-30. 1 Guthrie. Jan. 1-Apr. 30. 8 Hancock. Jan. 1-31. 3 Jowa. Apr. 1-30. 1 Jasper. do. 2 Jefferson. Jan. 1-31. 1 Jones. Apr. 1-30. 1 Jones. Apr. 1-30. 1 Lucas. Jan. 1-31. 1 Lucas. Jan. 1-31. 1 Lucas. Jan. 1-31. 1 Lucas. Jan. 1-31. 1 Lyon. Dec. 1-Apr. 30. 12 Lucas. Jan. 1-31. 1 Lyon. Dec. 1-Apr. 30. 12 Mahaska. Feb. 1-28. 1 Marshall. Dec. 1-Apr. 30. 17 Mil's. Apr. 1-30. 1 Marshall. Dec. 1-Apr. 30. 17 Mil's. Apr. 1-30. 3 Montgomery. do. 3 Muscatine. Mar. 1-31. 3 Plymouth. Mar. 1-31. 3 Page. Dec. 1-Mar. 31. 36 Plymouth. Mar. 1-Apr. 30. 2 Polk. Dec. 1-Apr. 30. 38 Pottawattamie. Jan. 1-Apr. 30. 2 Tama. Mar. 1-31. 1 Taylor. Dec. 1-Apr. 30. 18 Sec. Apr. 1-30. 16 Secott. Dec. 1-Apr. 30. 38 Warren. Dec. 1-Apr. 30. 3 Webster. Dec. 1-Apr. 30. 3 Wendodbury. Dec. 1-Apr. 30. 3 Winnebago. Jan. 1-31. 10 Winnebago. Jan. 1-31. 10 Winnebago. Jan. 1-31. 10 Winnebago. Jan. 1-31. 10	Wayne	Jan. 1-Apr. 30	28		
White. Apr. 1-30. 2 Total for State. 578 2 Swa: Counties— Benton. Jan. 1-Apr. 30. 13 Blackhawk. Feb. 1-Apr. 30. 28 Boone. Feb. 1-28. 1 Carroll. Mar. 1-31. 3 Cherokee	Wells	Mar. 1-Apr. 30	7		
Total for State Jan. 1-Apr. 30 13	White	Apr 1-20	9		
Section Sect	W Misc	Apr. 1-50	-		
Counties	Total for State		578	2	
Counties	owa:				
Blackhawk Feb. 1-Apr. 30 28 Boone Feb. 1-28. 1 Buena Vista Dec. 1-31. 1 Carroll. Mar. 1-31. 3 3 Cherokee do do 1 Dallas Feb. 1-Mar. 31 3 3 Decatur Mar. 1-31. 2 2 Dubuque Feb. 1-28. 1 2 2 Dubuque Feb. 1-28. 1 2 2 Dubuque Feb. 1-28. 1 4 2 2 2 2 2 2 2 2 2	Counties-	Yes 1 4-2 00			
Buena vista Dec. -31 1 1 1 1 1 1 1 1 1	Benton	Jan. 1-Apr. 30		********	
Buena vista Dec. -31 1 1 1 1 1 1 1 1 1	Blackhawk	Feb. 1-Apr. 30		********	
Buena vista Dec. -31 1 1 1 1 1 1 1 1 1	Boone	Feb. 1-28	1	********	
Carroll	Buena Vista	Dec. 1-31	1		
Cherokee.	Carroll	Mar. 1-31	3		
Dallas. Feb. 1-Mar. 31 3 Decatur. Mar. 1-31 2 Dubuque. Feb. 1-28. 1 1 Fayette Apr. 1-30. 2 2 Fremont Feb. 1-Mar. 31 8 Grundy Apr. 1-30. 1 1 Jasper. Jan. 1-Apr. 30. 8 Hancock Jan. 1-Apr. 30. 1 Jasper. Johnson. Jan. 1-31 1 Jones. Apr. 1-30. 1 Jones. Apr. 1-30. 1 Linn. Dec. 1-Apr. 30. 1 Lyon. Dec. 1-Apr. 30. 1 Lyon. Dec. 1-Apr. 30. 1 Lyon. Dec. 1-Apr. 30. 1 Mahaska Feb. 1-28 1 Marshall Dec. 1-Apr. 30. 1 Mahaska Feb. 1-28 1 Marshall Dec. 1-Apr. 30. 3 Montgomery Jones Dec. 1-Mar. 31 1 Dec. 1-Mar. 31 2 Dec. 1-Mar. 31 3 Dec. 1-Mar. 31 2 Dec. 1-Mar. 31 3 Dec. 1-Mar. 31 2 Dec. 1-Mar. 31 3 Dec. 1-Mar. 31 2 Dec. 1-Mar. 31	Charalton	do		********	
Fremont Feb. 1-Mar. 31. 8 Grundy.	D-II-	Tak 1 Mar 01		********	
Fremont Feb. 1-Mar. 31. 8 Grundy.	Danas	Feb. 1-Mar. 31		********	
Fremont Feb. 1-Mar. 31. 8 Grundy.	Decatur	Mar. 1-31		********	
Fremont Feb. 1-Mar. 31. 8 Grundy.		Feb. 1-28	1		
Fremont Feb. 1-Mar. 31 8 8 1 1 1 1 1 1 1		Apr. 1-30	2		
Grundy	Fremont	Feb 1-Mar 31			
Guthrie. Jan. 1-Apr. 30. 8 Hancock Jan. 1-31. 3 Iowa. Apr. 1-30. 1 Jasper. do. 3 Jefferson 1 Johnson. Jan. 1-31. 1 Jones. Apr. 1-30. 1 Keokuk do. 7 Lee Dec. 1-31. 1 Linn. Dec. 1-Apr. 30. 122 Lucas Jan. 1-31. 1 Lyon. Dec. 1-Apr. 30. 5 Madison. Apr. 1-30. 1 Mahaska Feb. 1-28. 1 Marshall Dec. 1-Apr. 30. 17 Mills. Apr. 1-30. 3 Montgomery do. 3 Montgomery do. 3 Muscatine Mar. 1-31. 1 Page. Dec. 1-Mar. 31. 36 Plymouth Mar. 1-Apr. 30. 28 Polk Dec. 1-Apr. 30. 18 Sec. Apr. 1-30. 18 Sec. Apr. 1-30. 38 Pottawattamie Jan. 1-Apr. 30. 18 Sec. Apr. 1-30. 18 Sec. Apr. 1-30. 18 Sec. Apr. 1-30. 3 Warren Dec. 1-Apr. 30. 3 Warren Dec. 1-Apr. 30. 3 Webster Dec. 1-Apr. 30. 11 Winnebago. Jan. 1-31. 1 Woodbury Dec. 1-Mar. 31. 15		Apr 1 20			
Hancock Jan. 1-31 3 1 1 1 1 1 1 1 1	Cuthele	Ton 1 Apr 20		********	
Jasper	Guthrie	Jan. 1-Apr. 30		*******	
Jasper. do. 2 Jefferson		Jan. 1-31		********	
Jasper. do. 2 Jefferson	Iowa	Apr. 1-30	1		
Johnson	Jasper	do	2		
Johnson. Jan. 1-31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Jefferson	******** ***** ****		1	Year 1910, in delinquent repo
Jones	* .				received after Jan. 1, 1911.
Keokuk .do. 7 Lee. Dec. 1-31. 1 Linn. Dec. 1-Apr. 30. 122 1 Lucas Jan. 1-31. 1 1 Lyon. Dec. 1-Apr. 30. 5 Madison Apr. 1-30. 1 Marball. Dec. 1-Apr. 30. 17 Mills Apr. 1-30. 3 Montgomery 3 Montgomery. .do. .do. 3 3 1 Page. Dec. 1-Apr. 30. 18 36 1 Plymouth. Mar. 1-Apr. 30. 2 2 Polk. Dec. 1-Apr. 30. 18 8 Sec. Apr. 1-30. 16 8 Scott. Dec. 1-Apr. 30. 18 8 Sec. Apr. 1-30. 16 8 Stott. Dec. 1-Feb. 28. 7 Sloux. Feb. 1-Mar. 31. 1 Tama. Mar. 1-31. 1 Taylor. Dec. 1-31. 64 Union. Jan. 1-			1	********	
Lee Dec. 1-31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Jones	Apr. 1-30			
Lee Dec. 1-31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Keokuk	do	7		
Linn Dec. 1-Apr. 30 122 1 Lucas Jan. 1-31 1 Lyon Dec. 1-Apr. 30 5 Madison Apr. 1-30 1 Mahaska Feb. 1-28 1 Marshall Dec. 1-Apr. 30 17 Mills Apr. 1-30 3 Montgomery do 3 Muscatine Mar. 1-31 1 Page Dec. 1-Mar. 31 35 1 Plymouth Mar. 1-Apr. 30 2 Polk Dec. 1-Apr. 30 18 Sec. Apr. 1-30 18 Sec. Apr. 1-30 18 Sec. Apr. 1-30 19 Sect. Dec. 1-Apr. 30 18 Sec. Apr. 1-30 16 Scott Dec. 1-Feb. 28 7 Sloux Feb. 1-Mar. 31 2 Tama Mar. 1-31 1 Taylor Dec. 1-31 64 Union Jan. 1-Feb. 28 3 Warren Dec. 1-Apr. 30 3 Webster Dec. 1-Apr. 30 3 Weodbury Dec. 1-Apr. 30 3	Lee	Dec. 1-31	1		
Lucas Jan. 1-31 1 Lyon Dec. 1-Apr. 30 5 Madison Apr. 1-30. 1 Mahaska Feb. 1-28 1 1 Marshall Dec. 1-Apr. 30 17 Mills Apr. 1-30 3 Montgomery do 3 Muscatine Mar. 1-31 1 1 Page Dec. 1-Mar. 31 35 1 Plymouth Mar. 1-Apr. 30 2 Polk Dec. 1-Apr. 30 38 Pottawattamie Jan. 1-Apr. 30 38 Pottawattamie Jan. 1-Apr. 30 18 Sac. Apr. 1-30 16 Scott Dec. 1-Feb. 28 7 Sloux Feb. 1-Mar. 31 2 Tama Mar. 1-31 1 Taylor Dec. 1-31 64 Union Jan. 1-Feb. 28 3 Warren Dec. 1-Apr. 30 3 Webster Dec. 1-Mar. 31 10 Winnebago Jan. 1-31 10 Woodbury Dec. 1-Mar. 31 15	Linn	Dec. 1-Apr 30		1	
Lyon	Lucas	Ion 1-21		1	
Madisson. Apr. 1-30. 1 Mahaska. Feb. 1-28. 1 Marshall. Dec. 1-Apr. 30. 17 Mills. Apr. 1-30. 3 Montgomery. do. 3 Muscatine. Mar. 1-31. 1 Page. Dec. 1-Mar. 31. 36 1 Plymouth. Mar. 1-Apr. 30. 2 Polk. Dec. 1-Apr. 30. 38 Pottawattamie. Jan. 1-Apr. 30. 18 Sac. Apr. 1-30. 18 Scott. Dec. 1-Feb. 28. 7 Sioux. Feb. 1-Mar. 31. 2 Tama. Mar. 1-31. 1 Taylor. Dec. 1-31. 64 Union. Jan. 1-Feb. 28. 3 Werren. Dec. 1-Apr. 30. 3 Webster. Dec. 1-Apr. 30. 3 Webster. Dec. 1-Apr. 30. 1 Woodbury. Dec. 1-Mar. 31. 15		Dog I Amp 20		********	
Mahaska Feb. 1-28 1 Marshall Dec. 1-Apr. 30 17 Mills Apr. 1-30 3 Montgomery do 3 Muscatine Mar. 1-31 1 Page Dec. 1-Mar. 31 36 1 Plymouth Mar. 1-Apr. 30 2 Polk Dec. 1-Apr. 30 38 Pottawattamie Jan. 1-Apr. 30 18 Ssec Apr. 1-30 16 Scott Dec. 1-Feb. 28 7 Sioux Feb. 1-Mar. 31 2 Tams Mar. 1-31 1 Taylor Dec. 1-31 64 Union Jan. 1-Feb. 28 3 Warren Dec. 1-Apr. 30 3 Webster Dec. 1-31 10 Winnebago Jan. 1-31 1 Woodbury Dec. 1-Mar. 31 15	Lyon	Dec. 1-Apr. 30			
Marshall Dec. 1-Apr. 30 17 Mills Apr. 1-30 3 Montgomery do 3 Muscatine Mar. 1-31 1 Page Dec. 1-Mar. 31 36 1 Plymouth Mar. 1-Apr. 30 2 2 Polk Dec. 1-Apr. 30 38 8 Pottawattamie Jan. 1-Apr. 30 18 8 Sec Apr. 1-30 16 8 Scott Dec. 1-Feb. 28 7 8 Sloux Feb. 1-Mar. 31 2 1 Tama Mar. 1-31 1 1 Taylor Dec. 1-31 64 0 Union Jan. 1-Feb. 28 3 3 Warren Dec. 1-Apr. 30 3 3 Webster Dec. 1-31 10 Winnebago Jan. 1-31 1 Woodbury Dec. 1-Mar. 31 15	Madison	Apr. 1-30	1	********	
Marshall Dec. 1-Apr. 30 17 Mills Apr. 1-30 3 Montgomery do 3 Muscatine Mar. 1-31 1 Page Dec. 1-Mar. 31 36 1 Plymouth Mar. 1-Apr. 30 2 2 Polk Dec. 1-Apr. 30 38 8 Pottawattamie Jan. 1-Apr. 30 18 8 Sec Apr. 1-30 16 8 Scott Dec. 1-Feb. 28 7 8 Sloux Feb. 1-Mar. 31 2 1 Tama Mar. 1-31 1 1 Taylor Dec. 1-31 64 0 Union Jan. 1-Feb. 28 3 3 Warren Dec. 1-Apr. 30 3 3 Webster Dec. 1-31 10 Winnebago Jan. 1-31 1 Woodbury Dec. 1-Mar. 31 15	Mahaska	Feb. 1-28	1		
Mills Apr. 1-30 3 Montgomery do 3 Muscatine Mar. 1-31 1 Page do 1-Mar. 31 36 1 Plymouth Mar. 1-Apr. 30 2 2 Polk do 1-Apr. 30 38 Pottawattamie do 1-Apr. 30 18 Sse do Apr. 1-30 16 Scott do 16 5 Sioux Feb. 1-Mar. 31 2 7 Tama Mar. 1-31 1 1 Taylor do 1-31 64 1 Union da 1-Feb. 28 3 3 Warren do 1-Apr. 30 3 3 Webster do 1-Apr. 30 3 3 Webster do 1-Apr. 30 1 1 Woodbury do 1-Apr. 31 1 1	Marshall	Dec. 1-Apr. 30	17		
Montgomery do 3 Muscatine Mar. 1-31 1 Page Dec. 1-Mar. 31 36 1 Plymouth Mar. 1-Apr. 30 2 2 Polk Dec. 1-Apr. 30 38 38 Pottawattamie Jan. 1-Apr. 30 18 38 Sec Apr. 1-30 16 6 Scott Dec. 1-Feb. 28 7 5 Sioux Feb. 1-Mar. 31 2 7 Tama Mar. 1-31 1 1 Taylor Dec. 1-31 64 0 Union Jan. 1-Feb. 28 3 3 Warren Dec. 1-Apr. 30 3 3 Webster Dec. 1-31 10 0 Winnebago Jan. 1-31 1 1 Woodbury Dec. 1-Mar. 31 15	Mills	Apr 1-30			
Muscatine Mar. 1-31 1 Page Dec. 1-Mar. 31 36 1 Plymouth Mar. 1-Apr. 30 2 2 Polk Dec. 1-Apr. 30 38 38 Pottawattamie Jan. 1-Apr. 30 18 8 Sec Apr. 1-30 16 8 Scott Dec. 1-Feb. 28 7 5 Sloux Feb. 1-Mar. 31 2 7 Tama Mar. 1-31 1 1 Taylor Dec. 1-31 64 0 Union Jan. 1-Feb. 28 3 3 Warren Dec. 1-Apr. 30 3 3 Webster Dec. 1-Apr. 30 3 0 Winnebago Jan. 1-31 1 1 Woodbury Dec. 1-Mar. 31 15 1	Montgomory	do			
Plymouth Mar. 1-Apr. 30 2 Polk Dec. 1-Apr. 30 38 Pottawattamie Jan. 1-Apr. 30 18 Sec. Apr. 1-30 16 Scott. Dec. 1-Feb. 28 7 Sloux Feb. 1-Mar. 31 2 Tama Mar. 1-31 1 Taylor Dec. 1-Feb. 28 3 Warren Dec. 1-Apr. 30 3 Webster Dec. 1-Apr. 30 3 Webster Dec. 1-Apr. 30 3 Woodbury Dec. 1-Mar. 31 1 Woodbury Dec. 1-Mar. 31 1	Musestine	Man 1 91			
Plymouth Mar. 1-Apr. 30 2 Polk Dec. 1-Apr. 30 38 Pottawattamie Jan. 1-Apr. 30 18 Sec. Apr. 1-30 16 Scott. Dec. 1-Feb. 28 7 Sloux Feb. 1-Mar. 31 2 Tama Mar. 1-31 1 Taylor Dec. 1-Feb. 28 3 Warren Dec. 1-Apr. 30 3 Webster Dec. 1-Apr. 30 3 Webster Dec. 1-Apr. 30 3 Woodbury Dec. 1-Mar. 31 1 Woodbury Dec. 1-Mar. 31 1	Muscaune	Mar. 1-31		*********	
Pilymouth Mar. 1-Apr. 30 2 Polk Dec. 1-Apr. 30 38 Pottawattamie Jan. 1-Apr. 30 18 Sec. Apr. 1-30 16 Scott. Dec. 1-Feb. 28 7 Sloux Feb. 1-Mar. 31 2 Tama Mar. 1-31 1 Taylor Dec. 1-31 64 Union Jan. 1-Feb. 28 3 Warren Dec. 1-Apr. 30 3 Webster Dec. 1-Apr. 30 3 Webster Dec. 1-31 10 Winnebago Jan. 1-11 11 Woodbury Dec. 1-Mar. 31 1	Page	Dec. 1-Mar. 31		1	
Polk Dec. 1-Apr. 30 38 Pottawattamie Jan. 1-Apr. 30 18 Sac Apr. 1-30 16 Scott Dec. 1-Feb. 28 7 Sloux Feb. 1-Mar. 31 2 Tama Mar. 1-31 1 Taylor Dec. 1-31 64 Union Jan. 1-Feb. 28 3 Warren Dec. 1-Apr. 30 3 Webster Dec. 1-Apr. 30 3 Webster Dec. 1-31 10 Winnebago Jan. 1-31 1 Woodbury Dec. 1-Mar. 31 15	Plymouth	Mar. 1-Apr. 30			
Pottawattamie Jan. 1-Apr. 30 18 Sac. Apr. 1-30 16 Scott Dec. 1-Feb. 28 7 Sloux Feb. 1-Mar. 31 2 Tama Mar. 1-31 1 Taylor Dec. 1-31 64 Union Jan. 1-Feb. 28 3 Warren Dec. 1-Apr. 30 3 Webster Dec. 1-31 10 Winnebago Jan. 1-31 1 Woodbury Dec. 1-Mar. 31 15	Polk	Dec. 1-Apr. 30	38		
Sec. Apr. 1-30. 16 Scott. Dec. 1-Feb. 28. 7 Sloux Feb. 1-Mar. 31. 2 Tama Mar. 1-31. 1 Taylor Dec. 1-31. 64 Union Jan. 1-Feb. 28. 3 Warren Dec. 1-Apr. 30. 3 Webster Dec. 1-31. 10 Winnebago Jan. 1-31. 1 Woodbury Dec. 1-Mar. 31. 15	Pottawattamie	Jan. 1-Apr. 30			
Sloux Feb. 1-Mar. 31 2 2 2 2 2 3 3 2 3 3	Sac	Apr 1-30			
Sloux Feb. 1-Mar. 31 2 2 2 2 2 3 3 2 3 3	Cantt	Dog 1 Feb 00		*******	
Tama Mar. 1-31 1 Taylor Dec. 1-31 64 Union Jan. 1-Feb. 28 3 Warren Dec. 1-Apr. 30 3 Webster Dec. 1-31 10 Winnebago Jan. 1-31 1 Woodbury Dec. 1-Mar. 31 15		Dec. 1-Feb. 25		*******	
Taylor. Dec. 1-31 64 Union Jan. 1-Feb. 28 3 Warren Dec. 1-Apr. 30 3 Webster Dec. 1-31 10 Winnebago Jan. 1-31 1 Woodbury Dec. 1-Mar. 31 15	Classe	Feb. 1-Mar. 31			
Taylor. Dec. 1-31 64 Union Jan. 1-Feb. 28 3 Warren. Dec. 1-Apr. 30 3 Webster Dec. 1-31 10 Winnebago Jan. 1-31 1 Woodbury Dec. 1-Mar. 31 15	Sioux	Mar. 1-31		********	
Union Jan. 1-Feb. 28. 3 Warren Dec. 1-Apr. 30 3 Webster Dec. 1-31 10 Winnebago Jan. 1-31 1 Woodbury Dec. 1-Mar. 31 15	Sioux	Th 4 04			
Warren Dec. 1-Apr. 30 3 3 Webster Dec. 1-31 10 Winnebago Jan. 1-31 1 Woodbury Dec. 1-Mar. 31 15	Sioux	Dec. 1-31			
Winnebago. Jan. 1-31. 1 Woodbury. Dec. 1-Mar. 31. 15	TamaTaylor	Dec. 1-31			
Winnebago. Jan. 1-31. 1 Woodbury. Dec. 1-Mar. 31. 15	Sloux	Jan. 1-Feb. 28			
Winnebago. Jan. 1-31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sloux. Tama. Taylor Union. Warren.	Jan. 1-Feb. 28	3		
Woodbury Dec. 1-Mar. 31 15	Sloux. Tama. Taylor. Union. Warren. Webster.	Jan. 1–Feb. 28 Dec. 1–Apr. 30 Dec. 1–31	3		
	Sloux Tama Taylor Union Warren Webster Winnebago	Jan. 1-Feb. 28 Dec. 1-Apr. 30 Dec. 1-31 Jan. 1-31	3 10 1		
	Sloux Tama Taylor Union Warren Webster Winnebago	Jan. 1-Feb. 28 Dec. 1-Apr. 30 Dec. 1-31 Jan. 1-31	3 10 1	********	

Places.	Date.	Cases.	Deaths.	Remarks.
Kansas:				
Counties—	No. 1 00			December 1 and at 1 days
Pawnee		1		Reported out of date.
Reno	Dec. 1-Feb. 28	1 7		Do.
Anderson	Jan. 1-31	i		
Atchison.		32		
Barton	Feb. 1-Mar. 28	2		
Bourbon	Mar. 1-31	8		
Brown	Dec. 1-Mar. 31	57	1	
Butler	Dec. 1-Mar. 31 Dec. 1-Jan. 31	2		
Cherokee	Dec. 1-Mar. 31	119		
Clay	Dec. 1-Feb. 28	15		
Cloud	Feb. 1-Mar. 31	76		
Crawford	Feb. 1-28	3	*******	
Decatur	Dec. 1-31	1	********	
Dickinson	Dec. 1-Mar. 31	34	********	
Doniphan	Jan. 1-Feb. 28	23	*******	
Douglas	Jan. 1-Feb. 28	7		
FordGreenwood	Mar. 1-31 Feb. 1-Mar. 31	92		
Harper	Ion 1-Mar 21	20		
Jackson	Jan. 1-Mar. 31 Feb. 1-Mar. 31	11	*********	
Jefferson	Dec. 1-Mar. 31	13	*********	
Jewell		17		
Johnson	Dec. 1-Mar. 31	34		
Kearny	Dec. 1-Mar. 31 Jan. 1-Mar. 31	7		
Kingman	Dec 1-Feb 28	2		
Leavenworth	Jan. 1-Mar. 31 Dec. 1-Mar. 31 Mar. 1-31	11		
Leavenworth	Dec. 1-Mar. 31	5	1	
Linn	Mar. 1-31	3		
Lyon	Jan. 1-31	1		
McPherson	Feb. 1-Mar. 31	6		
Marion	Feb. 1-Mar. 31 Jan. 1-Feb. 28 Dec. 1-Mar. 31	6		
Marshall	Dec. 1-Mar. 31	136		
Miami	Feb. 1-28	1		
Mitchell		18		
Montgomery	Dec. 1-Mar. 31	30		
Morris	Dec. 1-Mar. 31 Mar. 1-31	9		
Morton	Jan. 1-Feb. 28	12		
Nemeha	Dec. 1-Feb. 28	8		
Norton	Jan. 1-Mar. 31	. 5		
Osage	Dec. 1-Mar. 31			
Ottawa	Feb. 1-Mar. 31	39 19		
Pottawatomie	Jan. 1-Mar. 31	19	********	
Republic	Dec. 1-31 Mar. 1-31	9	********	
Riley	Jan. 1-31	8		
Rooks	Dec 1-Mor 21	2	*******	
Russell	Dec. 1-Mar. 31 Jan. 1-Feb. 28 Jan. 1-Mar. 31	2	·····i	
Saline	Jan. 1-Mar. 31	29		
Sedgwick	do	5		
Shawnee	Dec. 1-Mar. 31	14		
Sumner	Dec. 1-31	6		
wasnington	Dec. 1-31 Jan. 1-Feb. 28	5		
Wichita	Feb. 1-28	2		
Wilson	do	1		
Wyandotte, exclusive of Kansas City.	Dec. 1	15		
of Kansas City.	Dec 1 16- 01	52		
Kansas City	Dec. 1-Mar. 31	- 04		
Total for State		1,048	3	
Kentucky:				
Henderson	Feb. 22-28. Feb. 26-Apr. 8 Apr. 23-May 6	4		
Lexington	Feb. 26-Apr. 8	3		
Newport	Apr. 23-May 6	2		
Paducah	Jan. 23-Apr. 22	33		
Total for State		42		
oulsiana:				
Parishes-				
Ascension	Dec. 1-31	1		
Calcasieu East Baton Rouge	Jan. 1-31	13	1	
East Baton Rouge	Dec. 1-31	25		
East Feliciana	do	30	*******	
IbervilleLafourche	Ton 1 21	6	********	
Lalourene	Jan 1-31	16		
Orleans—				

Places.	Date.	Cases.	Deaths.	Remarks.
Louisiana—Continued.				
Parishes Continued				
Rapides	Dec. 1-31	1		
		4		
St. Charles St. John Tangipahoa Tensas Washington	do	1		
Tangipahoa	Nov. 1-Dec. 31	22		
Tensas	Dec. 1-Jan. 31	20		
Washington	do	5	*******	
Total for State		367	2	
Counties-	Dec. 1-Mar. 31		*******	No cases.
Penobscot	Apr. 1-May 31	4		
Total for State		6		
Maryland				December and March, no cases
Counties				
Corrett	Ian 1-Feb 28	10		
Baltimore	Apr. 1-30	5		
Total for State		17		
Massachusetts				Nov. 1-Mar. 31, no cases.
Counties— Suffolk	Apr. 1-30	1		110777 22217 037 200 200 200
				Not annulately reported
Michigan Counties—	Jan. 1-Feb. 28	16		Not previously reported.
Alcona	Dec. 1-31	1		
Alger	Dec. 1-Feb. 28	2		
Alpena	Jan. 1-Mar. 31	2		
Antrim	Jan. 1-Apr. 30			
Arenac	Dec. 1-Jan. 31	7	********	
Barry	Feb. 1-28 Dec. 1-Jan. 31	2	********	
Bav Caihoun	Dec. 1-Jan. 31 Dec. 1-Apr. 30	19	1	
Cass	Eab 1.98	9		
Charlevoix	Dec. 1-Feb. 28	24		
Chebovgan	Dec. 1-Apr. 30	49		
ChippewaClars	Dec. 1–Feb. 28 Dec. 1–Apr. 30 Mar. 1–31	1	*******	
Clars	Ion 1-31		********	
Clinton	Dec. 1-31 Dec. 1-Jan. 31 Dec. 31-Apr. 30	3	********	
Crawford	Dec. 1-Jan. 31	6 8		
Eaton	Jan. 1-Apr. 30	95		
Emmet	Dec. 1-Feb. 28	14	1	
Genesee	do		i	
Grand Traverse	Dec. 1-Mar. 31	4		
Gratiot	Dec. 1-Feb. 28	10		
Houghton	Feb. 1-28 Jan. 1-Apr. 30			
Huron	Jan. 1-Apr. 30	10	*******	
Ingham	Dec. 1-Mar. 31	28		
Ionia	Jan. 1-Apr. 30	1		
IronIsabella	Apr. 1-30 Dec. 1-Apr. 30	25	*********	
Kalamazoo	Dec. 1-Jan. 31		*********	
Kent	Mar. 1-31	2		
Keweenaw	Dec. 1-Feb. 28	16		
Lake	Dec. 1-31	3		
Lapeer		1	*******	
Leelanau	Jan. 1-31	2	********	
Lenawee	Apr. 1-30	1	*******	
Livingston	Feb. 1-28	1 4	*******	
Mackinae	Go	1.1		*
Macomb Marquette	Doc 1-Mar 31	11	*********	
Mason	Mar. 1-Apr. 30	3	*********	
Midland	Dec. 1-31	3		
Missaukee	.do	3	*********	
Monroe	do	2		
Muskegon		4		
Newaygo	Jan. 1-31	3	*******	
Oceana.	Mar. 1-Apr. 30	17		
Oceana	Jan. 1-31 Mar. 1-Apr. 30 Dec. 1-Mar. 31	2		
Saginaw	Dec. 1-Apr. 30 Jan. 1-Feb. 28	4	3	
St. Clair	Dec. 1-Apr. 30	11		
		8		

Places.	Date.	Cases.	Deaths.	Remarks.
lichigan—Continued.				
Counties—Continued.				
Shiawassee	Mar. 1-31	3		
Tuscola	do	1		
Van Buren	Apr. 1-30	1		
Washtenaw	Dec. 1-Apr. 30	8		
Wayne	do	7		
Wexford	Dec. 1-Mar. 31	6		
Total for State		509	6	
linnesota:				
Counties— Beltrami	Dec 10 Feb 19	e		
Bigstone	Dec. 19–Feb. 13 Dec. 26–Jan. 1	6		
Blue Earth	Dec. 19-Mar. 20	2	********	-
Cass	Apr. 25-May 1	4		
Dakota	Feb. 1-Mar. 27	2		
Douglas	Dec. 5-Apr. 17			
Fillmore	Nov. 27-Apr. 24			
Hennepin	Dec. 3-Apr. 3			
- Hubbard	Apr. 25-May 1.	1		
Itasco	Apr. 25-May 1 Feb. 20-27			
Kandiyohi	Jan. 24-30	1		
Koochiching	Dec. 5-Feb. 13	12		
Lac qui Parle	Jan. 10-16	1		
Le Sueur	Dec. 26-Mar. 16	5		
Lyon	Feb. 14-Apr. 10			
Marshall	Mar. 1-6	1		
Mower	Apr. 18-May 1	4	********	
Murray	Jan. 17-Apr. 6	7		
Nobles	Dec. 5-Feb. 27			
Norman	Dec. 12-May 1	27		
Olmstead	Jan. 10-Apr. 10			
Ottertail	Mar. 7-May 1			
Pipestone	Jan. 10-Apr. 17		*******	
Pope	Jan. 3-9	3		
Ramsey	Dec. 5-May 1	266		
Redwood	Apr. 25-May 1			
Renville	Apr. 11-17			
Rice	Feb. 14-20	2		
Rock	Feb. 1-Apr. 24 Apr. 18-May 1	- 9		
Sherburne	Nov. 27-Apr. 10	10		
Sibley	Dec. 26-Jan. 16	2		
Steele	Mar. 1-31	ī		
Todd	Dec. 5-Apr. 10			
Traverse	Feb. 1-6	1		
Wabasha	Dec. 26-Mar. 6	2		
Wadena	Dec. 26-Jan. 2	2		
Washington	Feb. 7-Mar. 20	10		
Winona	Jan. 17-23	1		
Yellow Medicine	Apr. 25-May 1	1		
Total for State		560		
Total for Blate	***************	300	*********	
dississippi:				
Biloxi	Mar. 13			Present.
Gu!fport	May 13-19	1	******	
Missouri:	N 1 1 00	neo	-	
Kansas City	Nov. I-Apr. 29	288	********	
St. Joseph	Feb. 5-18 Dec. 18-May 23	16 82	1	*
Springfield	Feb. 5-May 6	32		
Dping	a co. o may onti			
Total for State		418	1	
ontana:	1			
Counties-				
Beaverhead	Jan. 1-Mar. 31	5		
Carbon	Mar. 1-31	1		
Cascade	Dec. 1-Mar. 31	25		
Chouteau	Jan. 1-Feb. 28	8	*******	
Custer	Dec. 1-Jan. 31	2	********	
Dawson	Nov. 1-Mar. 31	10	********	
Deer Lodge	do	18		
Gallatin	Feb. 1-28	1	1	
Jefferson	do	1		
Lewis and Clark	Feb. 1-Mar. 31	2 2		
Missoula	Jan. 1-31			

Places.	Date.	Cases.	Deaths.	Remarks.
Montana—Continued.				
Counties—Continued.				
Revalli	Dec. 1-Mar. 31	12		
Silver Bow, exclusive	Nov. 1-Mar. 31	33		
of Butte.				
Butte	do	74	*******	
Teton	Jan. 1-Mar. 31	16	********	
Total for State		211	1	
Ny. b b			-	
Nebraska:	Dec 1 Top 21	21		
Omaha	Apr 1-May 27	31 51	********	
Lincoln Omaha South Omaha	Jan. 1-May 13	24		
Total for State		106		
New Jersey:				
Counties				
Bergen	Dec. 1-Mar. 31	3		
Bergen	Mar. 1-31	1		
Middlesex Salem	Jan. 1-31	1		
Salem	Jan. 1-Feb. 28	27		
Total for State		32		
		04		
lew York:				
Counties—	Nov. 1.20			
Allegany Chautauqua	Nov. 1-30 Jan. 1-31	1		
Columbia		1	*********	
Erie	Mar. 1-Apr. 30		*********	
New York	Mar. 1-31		********	
Niagara	Dec. 1-Apr. 30	3		
Onondaga	Jan. 1-31	1		
St. Lawrence	Feb. 1-Mar. 31	5		
Steuben Tioga	Feb. 1-28		*******	
Tompkins	Nov. 1-30	1	********	
2011/1111011111111111111111111111111111				
Total for State:		27		
orth Carolina:				
Counties—				
Alamance	Jan. 1-Apr. 30	20		
Beaufort	Dec. 1-Mar. 31	43		
Bertie	Jan. 1-Feb. 28	105		
Bladen Brunswick	Nov. 1-Mar. 31 Dec. 1-Mar. 31	125 56		Present in April.
Burke	Jan. 1-Mar. 31			Present in Feb. and Apr.
Carteret	Nov. 1-Jan. 31		********	
. Caswell	Jan. 1-31	9		
Catawba	Apr. 1-30	1		
Chatham	Dec. 1-Apr. 30			
Cherokee	Feb. 1-28	15	*******	D
Cleveland	Jan. 1-31	81		Present.
Craven	Nov. 1-Apr. 30 Jan. 1-Mar. 31	13		
Cumberland	Nov. 1-Apr. 30	70		
Currituek	Jan. 1-31			
Duplin	Dec. 1-Apr. 20	62		
Durham	Nov. 1-Apr. 30	570		
Edgecombe	Nov. 4-Jan. 31			
Forsyth	Mar. 1-31		********	
Granville	Nov. 1-Apr. 30 Dec. 1-Feb. 28	15 28		
Guilford	Mar. 1-Apr. 30	37		
Halifax	Mar. 1-31	1		
Harnett	Mar. 1-Apr. 30 Apr. 1-30	63		
Haywood	Apr. 1-30	4		
Henderson	Dec. 1-Apr. 30	39		
Hertford	Dec. 1-31	1		
Iredell	Mar. 1-31	4	********	
Jackson	Dec. 1-Apr. 30	11	********	Present in January.
Jones	Jan. 1-Mar. 31	14		a cooler in sulfiday.
1.66	Dec 1-Apr 30	12	*********	
Lenoir	Jan. 1-31	2		
Martin	Nov. 1-Dec. 31	17		
Mecklenburg	Jan. 1- Feb. 28	7 7		

Places.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Counties—Continued.				
New Hanover	Nov. 1-Apr. 30	733		
Northampton	Jan. 1-Mar. 31	21		
Onslow	Dec. 1-Apr. 30	90		
Orange	Jan. 1-31	12	********	Present in February.
Pasquotank	Nov. 1-Apr. 30	9		
Pender	Nov. 1-Jan. 31	127		Present February, March, and
Person	Jan. 1-Feb. 28	2		April.
Pitt	Nov. 1-Feb. 28	34		
Robeson	Nov. 1-Apr. 30	240		Present in February.
Rockingham	Apr. 1-30	1		resource in a containy.
Rowan	Dec. 1-Feb. 28			
Rutherford	Feb. 1-28			
Sampson	Dec. 1-Feb. 28	33		Present in March.
Scotland	Feb. 1-28	6		Present in April.
Stokes	Apr. 1-30	2		•
Surry	do	11	********	
Union				
Vance	Jan. 1-Apr. 30	35		
Wake	Nov. 1-Mar. 31			
Washington	Jan. 1-31			
Watauga	Feb. 1-28			
Wayne	Dec. 1-Feb. 28		********	
Wilkes	Jan. 1-Apr. 30	8		
Total for State		2.897		
orth Dakota:				
Counties—				
Billings	Jan. 1-Mar. 31	27		
Cass	Dec. 1-31			
Grand Forks	Jan. 1-31	î		
Lamoure	Feb. 1-28			
McIntosh	Jan. 1-Feb. 28			
Morton	Dec. 1-31			
Nelson	Mar. 1-31	1		
Ramsey	Jan. 1-31	1		
Steele	Dec. 1-Jan. 31			
Stutsman	Jan. 1-Feb. 28	17		
Wells	Mar. 1-31	1	*******	
Total for State		77		
Phio:				
Counties—				
Adams	Apr. 1-30	25		
Ashland	Jan. 1-Apr. 30			
Butler	Mar. 1-31	1		
Clark	Jan. 1-Apr. 30	60	1	
Cuyahoga	Mar. 1-Apr. 30	5 17		
Darke Delaware	Feb. 1-Mar. 31			
Franklin	Dec. 1-Apr. 30			
Fulton	Jan. 1-31			
Hardin	Apr. 1-30			
Hamilton	Dec. 1-Apr. 30			
Lorain	Dec. 1-31			
Lucas	Mar. 1-Apr. 30			
Marion.	do			
Miami	Feb. 1-28			
Monroe	Mar. 1-31			
Montgomery	Jan. 1-Feb. 28			
Portage	Dec. 1-31			
Ross	Jan. 1-31	1		
Scioto	Mar. 1-Apr. 30	8		
Williams	Jan. 1-Mar. 31			
Wood	Mar. 1-Apr. 30	4		
Total for State		255	1	
klahoma:				
Counties-				
	Nov. 1-30	1		
Atoka	Nov. 1-30 Dec. 1-Feb. 28	2		
Beckham	Nov. 1-Mar. 31	80		
Blaine	Nov. 1-Feb. 28	19		
Bryan	Nov. 1-Mar. 31	28		
Caddo	do	30		
		20.4		
Canadian	Nov. 1-Jan. 31 Mar. 1-31	34		

	Date.	Cases.	Deaths.	Remarks
klahoma—Continued.				
Counties—Continued.				
Cherokee	Jan. 1-Feb. 28	4		
Choctaw	Jan. 1-Mar. 31	24		
Cleveland	Feb. 1-Mar. 31	13	********	
Coal	Feb. 1-28	20	1	
Comanche	Jan. 1-Mar. 31	28		
Creek	Mar. 1-31	9		
Custer	Dec. 1-Jan. 31	2		
Garfield	Dec. 1-Feb. 28	7	1	
Grady	Nov. 1-Feb. 28 Nov. 1-30	i		
Green	Nov. 1-30 Nov. 1-Mar. 31			
Hughes	Jan. 1-Mar. 31			
Jackson	Jan. 1-31			
Johnston	Dec. 1-31	î		
KayKingfisher	Feb. 1-Mar. 31			
Kiowa	do			
Latimor	Dec. 1-31			
Le Fiore	Mar. 1-31	2		
Lincoln	Jan. 1-Mar. 31	71		
McClain	Mar. 1-31	4		
McCurtain	Jan. 1-Mar. 31	43		
McIntosh	Nov. 1-Dec. 31	12		
Major	Dec. 1-31	4		
Marshall	Nov. 1-Mar. 31	12		
Muskogee	Feb. 1-28	1		
Noble	Mar. 1-31	2		
Nowata	Jan. 1-Mar. 31			
Okfuskee	do			
Oklahoma	Dec. 1-Mar. 31	24		
	Jan. 1-Mar. 31	25		
Okmulgee	Dec. 1-Jan. 31	3		
Osage	Feb. 1-Mar. 31	6		
Payne	Dec. 1-Feb. 28	4		
Pittsburg	Jan. 1-Mar. 31	8		
Pontotoc	Jan. 1-31	6		
	Mar. 1-31	1		
Roger Mills	Dec. 1-Jan. 31	9		
Seminole	Dec. 1-31	i		
Stephens	Nov. 1-Mar. 31	10		
Tulsa	Dec. 1-Feb. 28	2		
Washington	Nov. 1-Mar. 31	18		
Washita	Dec. 1-Jan. 31	11		
Woods	Dec. 1-Jan. Ji			
Total for State		758	2	
Total for State		100		
regon:				
Counties—				
		2		
Baker	Jan. 1-31	100		
Baker Benton	Dec. 1-Mar. 31	2		
Baker Benton Columbia	Dec. 1-Mar. 31 Jan. 1-31	1		
Baker	Dec. 1-Mar. 31 Jan. 1-31 Dec. 1-Feb. 28	10	4	
Baker	Dec. 1-Mar. 31 Jan. 1-31 Dec. 1-Feb. 28 Oct. 1-Nov. 30	1 10 8	4	
Baker. Benton Columbia Marion. Multnomah Polk	Dec. 1-Mar. 31 Jan. 1-31 Dec. 1-Feb. 28 Oct. 1-Nov. 30 Nov. 1-30	10 8 1	4	
Baker. Benton Columbia Marion. Multnomah Polk Umatilla	Dec. 1-Mar. 31 Jan. 1-31 Dec. 1-Feb. 28 Oct. 1-Nov. 30 Nov. 1-30 Dec. 1-31	10 8 1	4	
Baker Benton Columbia Marion Multnomah Polk	Dec. 1-Mar. 31 Jan. 1-31 Dec. 1-Feb. 28 Oct. 1-Nov. 30 Nov. 1-30	10 8 1	4	
Baker. Benton Columbia Marion. Multnomah Polk Umatilla. Union	Dec. 1-Mar. 31 Jan. 1-31 Dec. 1-Feb. 28 Oct. 1-Nov. 30 Nov. 1-30 Dec. 1-31	1 10 8 1 1 1		
Baker. Benton Columbia Marion. Multnomah Polk Umatilla	Dec. 1-Mar. 31 Jan. 1-31 Dec. 1-Feb. 28 Oct. 1-Nov. 30 Nov. 1-30 Dec. 1-31	10 8 1	4	
Baker. Benton Columbia Marion. Multnomah Polk. Umatilla Union. Total for State.	Dec. 1-Mar. 31. Jan. 1-31 Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31.	1 10 8 1 1 1		No cases
Baker. Benton Columbia Marion. Multnomah Polk. Umatilla Union. Total for State.	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31.	1 10 8 1 1 1 1	4	No cases.
Baker Benton Columbia Marion Multnomah Polk Umatilia Union Total for State	Dec. 1-Mar. 31. Jan. 1-31 Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31.	1 10 8 1 1 1		No cases.
Baker. Benton Columbia Marion. Multnomah Polk Umatilla Union. Total for State. ennsylvania, entire State.	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31.	1 10 8 1 1 1 26	4	No cases.
Baker Benton Columbia Marion Multnomah Polk Umatilia Union Total for State	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31.	1 10 8 1 1 1 26	4	No cases.
Baker	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31.	1 10 8 1 1 1 26	4	No cases.
Baker. Benton. Columbia. Marion. Multnomah. Polk. Umatilla. Union. Total for State. nnsylvania, entire State. Providence outh Carolina:	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27.	10 8 1 1 1 1 26	4	No cases.
Baker. Benton Columbia Marion Multnomah Polk Umatilia Union Total for State. ennsylvania, entire State hode Island: Providence outh Carolina: Camden.	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21.	100 8 1 1 1 1 26 31 1 1	4	No rases.
Baker. Benton. Columbia. Marion. Multnomah. Polk. Umatilla. Union. Total for State. mnsylvania, entire State. Providence outh Carolina: Camden. Charleston.	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21. Feb. 1-Apr. 30.	100 811 111 26 31	4	No cases.
Baker Benton Columbia Marion Multnomah Polk Umatilia Union Total for State nnsylvania, entire State node Island: Providence outh Carolina: Camden	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21.	100 8 1 1 1 1 26 31 1 1	4	No cases.
Baker. Benton. Columbia. Marion. Multnomah. Polk. Umatilla. Union. Total for State. consylvania, entire State. Providence outh Carolina: Camden. Charleston. Seven Mile	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21. Feb. 1-Apr. 30.	1 10 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	No cases.
Baker Benton Columbia Marion Multnomah Polk Umatilla Union Total for State ennsylvania, entire State hode Island: Providence iouth Carolina: Camden Charleston Seven Mile	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21. Feb. 1-Apr. 30.	100 811 111 26 31	4	No cases.
Baker. Benton Columbia Marion Multnomah Polk Umatilla Union Total for State ennsylvania, entire State Providence South Carolina: Camden. Charleston Seven Mile Total for State Total for State	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21. Feb. 1-Apr. 30.	1 10 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	No cases.
Baker. Benton. Columbia. Marion. Multnomah. Polk. Umatilla. Union. Total for State cennsylvania, entire State thode Island: Providence South Carolina: Camden Charleston Seven Mile Total for State Total for State Carnessee: Counties—	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21. Feb. 1-Apr. 30.	1 10 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	No cases.
Baker Benton Columbia Marion Multnomah Polk Umatilla Union Total for State chode Island: Providence South Carolina: Camden Charleston Seven Mile Total for State Total for State	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21. Feb. 1-Apr. 30. Mar. 1.	1 10 8 1 1 1 26 31 1 1 10 9	4	No rases.
Baker. Benton. Columbia. Marion. Multnomah. Polk. Umatilla. Union. Total for State. ennsylvania, entire State. hode Island: Providence outh Carolina: Camden. Charleston. Seven Mile Total for State.	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21. Feb. 1-Apr. 30.	1 10 8 1 1 1 26 31 1 1 10 9	4	No cases.
Baker Benton Columbia Marion Multnomah Polk Umatilla Union Total for State ennsylvania, entire State chode Island: Providence South Carolina: Camden Charleston Seven Mile Total for State Total for State Davidson—	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21. Feb. 1-Apr. 30. Mar. 1. Jan. 8-Mar. 18.	1 10 8 1 1 1 26 31 1 1 10 9 20 6	1	No cases.
Baker. Benton Columbia Marion Multnomah Polk Umatilla Union Total for State Pennsylvania, entire State Providence South Carolina: Camden. Charleston Seven Mile Total for State. Total for State Total for State Ander. Total for State Tennessee: Counties— Davidson— Nashville Hamilton—	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21. Feb. 1-Apr. 30. Mar. 1.	1 10 8 1 1 1 26 31 1 1 10 9 20 6	4	No cases.
Baker. Benton. Columbia. Marion. Multnomah. Polk. Umatilla. Union. Total for State ennsylvania, entire State thode Island: Providence. South Carolina: Camden. Charleston. Seven Mile Total for State Tennessee: Counties— Davidson— Nashville.	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21. Feb. 1-Apr. 30. Mar. 1. Jan. 8-Mar. 18. Jan. 1-May 22.	1 10 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	No cases.
Baker Benton Columbia Marion Multnomah Polk Umatilla Union Total for State ennsylvania, entire State Providence South Carolina: Camden Charleston Seven Mile Total for State Total for State Pavidson— Nashville Hamilton— Chattanooga	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21. Feb. 1-Apr. 30. Mar. 1. Jan. 8-Mar. 18. Jan. 1-May 22. Jan. 22-May 27.	1 10 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	No rases.
Baker Benton Columbia Marion Multnomah Polk Umatilla Union Total for State ennsylvania, entire State chode Island: Providence South Carolina: Camden Charleston Seven Mile Total for State Fennessee: Counties— Davidson— Nashville Hamilton— Chattanooga Knox- Knoxville	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21. Feb. 1-Apr. 30. Mar. 1. Jan. 8-Mar. 18. Jan. 1-May 22.	1 10 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	No cases.
Baker Benton Columbia Marion Multnomah Polk Umatilla Union Total for State ennsylvania, entire State ennsylvania, entire State couth Carolina: Camden Charleston Seven Mile Total for State Total for State Charleston Seven Mile Total for State Counties Davidson Nashville Hamilton Chattanooga Knox	Dec. 1-Mar. 31. Jan. 1-31. Dec. 1-Feb. 28. Oct. 1-Nov. 30. Nov. 1-30. Dec. 1-31. Jan. 1-31. Oct. 1-31. Nov. 1-Mar. 31. May 21-27. Jan. 15-21. Feb. 1-Apr. 30. Mar. 1. Jan. 8-Mar. 18. Jan. 1-May 22. Jan. 22-May 27.	1 10 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 3	No rases.

${\bf SMALLPOX} \ \ {\bf IN} \ \ {\bf THE} \ \ {\bf UNITED} \ \ {\bf STATES-Continued}.$

Places.	Date.	Cases.	Deaths.	Remarks.			
Cexas	Feb. 1-28		3	Reported out of date.			
Counties—							
Bell	do	1					
Bowie	Mar. 1-31	4	*********				
Cameron	Nov. 1-Apr. 30						
Cherokee	Jan. 1-Apr. 30		*******				
Clay	Apr. 1-30	1					
Collin	Jan. 1-Apr. 30	34	*******				
Dallas	Dec. 1-Apr. 30	39					
Denton	Mar. 1-Apr. 30	3	*******				
Dewitt	Feb. 1-28	48	3				
El Paso	Jan. 1-Feb. 28	12	0				
Falls	Mar. 1-31	4	*******				
Grimes	Nov. 1-30 Jan. 1-31	5	2				
Guadalupe	Apr. 1-30	13	_				
Harrison	Mar. 1-31	5					
Henderson	Nov. 1-Apr. 30	23					
Hidalgo	Dec. 1-Apr. 30	8					
Houston	Mar. 1-31	2					
Jones	Jan. 1-31	3					
Lamar	Mar. 1-Apr. 30						
Lampasas	Apr. 1-30	1					
McLennan	Apr. 1-30 Nov. 1-Apr. 30	27					
Marion.	Dec. 1-Apr. 30	44					
Matagorda	Jan. 1-31	5					
Mitchell	Mar. 1-31	1					
Nueces	Jan. 1-Apr. 30	8					
Orange	Jan. 1-Feb. 28	9					
Palo Pinto	Mar. 1-31	1	********				
Red River	do	1					
Refugio	Mar. 1-Apr. 30	3					
Runnels	Jan. 1-31	1					
Swisher	Dec. 1-31	2					
Tarrant	Dec. 1-Apr. 30	16					
Taylor	Jan. 1-31	1	*******				
Titus	Apr. 1-30	1					
Upshur	Mar. 1-Apr. 30	9					
Uvalde	Jan. 1-31	1	********				
Van Zant	Nov. 1-Feb. 28	9	1				
Wichita:	Mar. 1-Apr. 30	28					
Williamson	Apr. 1-30	1	1				
Total for State		535	10				
ah:							
Counties—							
Beaver	Nov. 1-Apr. 30	148	1				
Boxelder	Jan. 1-Apr. 30 Nov. 1-Apr. 30 Nov. 1-Apr. 30 Dec. 1-Apr. 30 Mar. 1-Apr. 30 Mar. 1-Apr. 30 Nov. 1-Feb. 28 Nov. 1-Har. 31 Nov. 1-Feb. 28	71					
Cache	Nov. 1-Apr. 30	73	1				
Davis	Dec. 1-Apr. 30	14					
Garfield	Mar. 1-Apr. 30						
Iron	Nov. 1-Feb. 28	83					
Juab	Nov. 1-Mar. 31						
Millard	Nov. 1-Feb. 28	50					
Piute		14					
Rich	Feb. 1-28 Nov. 1-Apr. 30						
Salt Lake	Nov. 1-Apr. 30	95					
Sanpete	Dec. 1-Apr. 30	58	********				
Sevier	Dec. 1-Apr. 30	69	********				
Tooele	Apr. 1-30	60					
Utah	Jan. 1-Apr. 30	86	********				
Washington Weber	Nov. 1-Apr. 30	66 108	1				
Total for State		1,035	3	37			
ermont	Jan. 1-May 26		*******	No cases.			
rginia:							
Counties—							
Appomattox	Jan. 1-31	3					
Alexandria	do	5	*****				
Culpeper	Jan. 1-Feb. 28	4					
Dinwiddie	Jan. 1-31	1	********				
Fairfax	Jan. 1-Feb. 28	3					
Fauquier	do	42					
Frederick	Jan. 1-31	4					
7	Jan. 1-Feb. 28	270					
Lee							
Loudoun	do	7					
Loudoun	Jan. 1-31	8					

${\bf SMALLPOX\ IN\ THE\ UNITED\ STATES-Continued}.$

Reports Received from Dec. 31, 1910, to June 9, 1911.

Places.	Date.	Cases.	Deaths.	Remar
Indula Continued		-		
irginia—Continued. Counties—Continued.			1	
Prince William	Fab 1.00	2		
Pospoke	Ion 1 21	1		
Roanoke	Jan. 1-31			
Southampton	do	1		
Stafford	do	10		
Wise	do	7	*******	
Total for State		372		
		- 072		
ashington: Counties—				
Chehalis	Mar. 1-31	3		
Chelan	Jan. 1-Mar. 31	2	********	
Clallam	Jan. 1-Mar. M	34	*******	
	do		********	
Ferry	Jan. 1-31	1	********	
King	Dec. 1-Mar. 31	139	2	
Lewis	Mar. 1-31	2	********	
Lincoln	Feb. 1-Mar. 31	2		
Pacific	Jan. 1-31	1		
Pierce	Dec. 1-Mar. 31	49		
Skagit	Nov. 1-Mar. 31	111		
Cnohomich	Dog 1 Jan 91		********	
Snohomish	Dec. 1-Jan. 31	10	*******	
Spokane	Nov. 1-Mar. 31	5		
Stevens	Dec. 1-Feb. 28	2		
Thurston	Mar. 1-31	1		
Walla Walla	Jan. 1-Mar. 31	2		
Whatcom		67		
Yakima		11	********	
A MRAING		11	*******	
Total for State		442	2	
sconsin:				
Counties—				
	T T T 00			
Ashland	Jan. 1-Feb. 28	6	*******	
Barron	Jan. 1-Apr. 30	6	*******	
Bayfield	Apr. 1-30	2	********	
Buffalo	Feb. 1-28	1		
Chippewa	Dec. 1-Mar. 31	12		
Clark	A pr. 1-30	1		
Dane.	Jan. 1-Apr. 30	3	*******	
	Feb 1 Apr. 20		********	
Douglas	Feb. 1-Apr. 30	12	********	
Dunn	Dec. 1-Mar. 31	18	*******	
Eau Claire	Feb. 1-28	4	*******	
Green	Jan. 1-31	2		
Iowa	Dec. 1-Apr. 30	80	*******	
Iron	Mar. 1-31	1		
Jefferson	Dec. 1-Jan. 31	10		
Lafayette	Dec. 1-Feb. 28	11		
La Crossa	Dec 1 Apr 20		*******	
La Crosse	Dec. 1-Apr. 30	13	********	
Lincoln	Feb. 1-Mar. 31	2	*******	
Milwaukee	Dec. 1-Apr. 30	12	*******	
Monroe	Mar. 1-Apr. 30	3		
Oneida	Dec. 1-Apr. 30	12		
Pierce	Feb. 1-28	ĩ		
Price	Mar. 1-Apr. 30	3	********	
Danels			********	
Rusk	do	5	*******	
Sheboygan	Mar. 1-31	1	********	
St. Croix	Dec. 1-Feb. 28	7		
Vernon	Jan. 1-Feb. 28	10		
Vilas	Dec. 1-31	1		
Walworth	Jan. 1-31	î		
Washington	Dec. 1-31	î		
Total for State		241	*******	

CHOLERA IN THE UNITED STATES.

Place.	Date.	Cases.	Deaths.	Remarks.
New York: New York	June 14	1		Removed at quarantine from s. s. Europa from Naples.

MORBIDITY AND MORTALITY.

MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES, FOR WEEK ENDED MAY 27, 1911.

Chile	Popula- tion, United	Total deaths		ph- eria	Mea	sles.		arlet ver.		nall- ox.		ber- osis.	pi	ry- noid ver.
Citles.	States census 1910.	from all causes.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having over 500,000 inhabitants.														
Baltimore, Md. Boston, Mass Chicago, Ill Cleveland, Ohlo. New York, N. Y. Philadelphia, Pa. Pittsburg, Pa. St. Louis, Mo.	670 585	192 238 608 1,406 505 135 204	8 42 135 22 309 60 12 35	1 21 41 3 1 3	93 171 286 58 1,446 284 88 152	1 2 7 5 26 11 1 2	15 56 204 98 479 63 20 69	1 15 7 25 1	4		31 49 165 22 547 93 39 37	19 24 68 22 152 56 14 20	8 6 23 5 39 15 9 4	1 2 3 1 6 1 1
Cities having from 300,000 to 500,000 inhabitants.														
Cincinnati, Ohio	364, 463 373, 857 347, 469 339, 075 416, 912 331, 069	105 103 141 132 113	4		29 36 69 57 327	3 1 1	74 20 20 3 11 6	2 2 2 	3		22 22 14 29 19 23	21 12 19 21 20 16	1 9 5 13 4 10	1 2 1 1
Cities having from 200,000 to 300,000 inhabitants.														
Jersey City, N. J. Kansas City, Mo. Providence, R. I. Seattle, Wash.	267,779 248,381 224,326 237,194	66 62 56 46	2 8 3	1	10 4 97				1		5 8 5	5 6 7 7	3 1 5	1 1
Cities having from 100,000 to 200,000 inhabitants.		To the same of the												
Bridgeport, Conn. Cambridge, Mass. Columbus, Ohio. Dayton, Ohio. Fali River, Mass. Grand Rapids, Mich. Lowell, Mass. Memphis, Tenn. Nashville, Tenn. Oakland, Cal. Omaha, Nebr. Richmond, Va. Toledo, Ohio. Worcester, Mass.	102, 054 104, 839 181, 548 116, 577 119, 295 112, 571 106, 294 131, 105 110, 364 150, 174 124, 096 127, 628 168, 497 145, 986	19 38 51 16 28 28 49 45 29 42 46 37	2 1	2	28 11 21 11 6 5 1 26 6 26	1	3 1 3 4 3	1	1 7		3 7 3 4 1 12	3 4 3 1 3 7 5 3 4 6 7 3	1 3 2 1 4	i i i i
Cities having from 50,000 to 100,000 inhabitants.														
Altoona, Pa. Bayonne, N. J. Bayonne, N. J. Barockton, Mass. Camden, N. J. Canton, Ohio. Des Moines, Iowa Duluth, Minn Elizabeth, N. J. Evansville, Ind. Fort Wayne, Ind. Harrisburg, Pa. Hartford, Conn Hoboken, N. J. Jacksonville, Fla. Johnstown, Pa. Lawrence, Mass. Lynn, Mass. Manchester, N. H. New Bedford, Mass. Oklahoma City, Okla.	52, 127 55, 545 56, 878 94, 538 50, 217 86, 368 78, 466 73, 409 69, 647 63, 933 64, 186 98, 915 70, 324 57, 699 55, 482 85, 892 89, 336 70, 063 96, 652 64, 205	10 11 14 8 24 19 17 21 16 31 29 21 30 36 26 25	1 1 1 1 1 1 4 2 6 5	1	17 57 4 2 36 12 13 5 10 7 21 8	1	4 4 2 4 5 14 1 10 2 5 1 1 1 1 1	1	3		3 1 2 6 3 4 6 3 7 2	1 1 2 2 3 3 1 1 1 5 2	2 1 1 2	i

MORBIDITY AND MORTALITY-Continued.

Morbidity and mortality table, cities of the United States, for week ended May 27, 1911—Continued.

Cities.	Popula- tion, United	Total deaths		ph- ria.	Meas	sles.		rlet er.		nall- ox.	Tul		ph	y- oid er.
Chaos	States census 1910.	from all causes.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths	Cases.	Deaths.
Cities having from 50,000 to 100,000 inhabitants— Continued.							-							
Passaic, N. J. Portland, Me. Reading, Pa. San Antonio, Tex. Schenectady, N. Y. Somerville, Mass. South Bend, Ind. Springfield, Ill. Springfield, Mass. Tacoma, Wash. Trenton, N. J. Waterbury, Conn. Wichita, Kans. Wilkes-Barre, Pa. Wilmington, Del. Yonkers, N. Y.	54, 773 58, 571 96, 671 72, 826 77, 236 53, 684 51, 678 88, 926 83, 743 152, 450 67, 105 87, 411	18 19 29 46 17 15 16 26 34	1 1 2 3 1 3 4		10 2 3 1 5 23 23 11 7	. 1	8	2	1		9 9 7 2 1 5	2 3 7 5 2 3 4 1	3 4 2	
Cities having from 25,000 to 50,000 inhabitants.	79,803	23	3	••••	55	••••	16	1	****	****	8	4	****	****
Atlantic City, N. J. Aurora, Ill. Bay City, Mich. Berkeley, Cal. Binghamton, N. Y. Brookline, Mass. Chelsea, Mass. Danville, Ill. Dubuque, Iowa. East Orange, N. J. Elmira, N. Y. Everett, Mass. Haverhill, Mass. Kalamazoo, Mich. Knoxville, Tenn. La Crosse, Wis. Lancaster, Pa. Lexington, Ky.	46, 150 29, 807 45, 166 40, 434 48, 443 27, 792 32, 452 27, 871 38, 494 34, 371 37, 176 33, 484 44, 115 39, 437 36, 346 30, 447	11 17 8 14 6 11 7 7 11 12 13	1 2 2 7 1 1 2		4 5 9 9		9 1 3 6		3		3 1 3 6 5 3	1 3 1 1 1	1	1
Lima, Onto. Lynchburg, Va. Malden, Mass. McKeesport, Pa. Montgomery, Ala. Mount Vernon, N. Y. New Britain, Conn.	35, 099 30, 508 29, 494 44, 404 42, 694 38, 136 30, 919 43, 916 36, 280 30, 309	18 23 6 5 8 11 16 0 5	1 2		7 1 1 31 35 2 1		1 1 2 2		i		2 1 1	2 1	1 2	1
New Castle, Fa Newport, Ky Newton, Mass. Niagara Falls, N. Y Norristown, Pa Pasadena, Cal Pittsfield, Mass. Portsmouth, Va. Poughkeepsie, N. Y Roanoke, Va. Roekford, Ill	39, 806 30, 445 27, 875 30, 291 32, 121 33, 190 27, 936 34, 874 45, 401	9 18 10 14 9 14 8 11	1 2 1	1	6 12 14 150		2 1 3		····		3 1 1 1	1 1 2	1	
San Diego, Cal. Shenandoah, Pa. Superior, Wis. Taunton, Mass. Waltham, Mass. West Hoboken, N. J. Williamsport, Pa. Zanesville, Ohlo.	39, 578 25, 774 40, 384 34, 259 27, 834 35, 403 31, 860 28, 026	18 11 10 11 9 9 5 7		1	6 5 6		3				1	3 1 1	1	1

MORBIDITY AND MORTALITY-Continued.

Morbidity and mortality table, cities of the United States, for week ended May 27, 1911— Continued.

Cities	Population, United States census 1910.	Total deaths from		ph- ria.	Meas	sles.	Sca fev	rlet er.		nall- ox.	Tul	ber- osis,	ph	y- oid er.
		all causes.	Cases.	Deaths.	Cases,	Deaths	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having less than 25,000 inhabitants.														
Ann Arbor, Mich	14, 817	5			2							1	1	
Beaver Falls, Pa	12, 191	0												
Braddock, Pa	19, 357	10	2											
Butler, Pa	20,728	5												
Cambridge, Ohio	11, 327	0												
Camden, S. C	*****	1					1					1		
Carbondale, Pa	17,040	9						2						
Clinton, Mass	13,075	0									1			
Coffeyville, Kans	12,687	4									1		2	
Columbus, Ga		4										1		
Columbus, Ind.		1				1			2					
Concord, N. H	21, 497	4			2							1		
Cumberland, Md	21,839	4			1								1	
Dunkirk, N. Y		5											1	
Galesburg, Ill.	20,089	2												
Houcester, Mass	24, 398	8										1		
Tarrison, N. J.	14, 498	3	1											
Tyde Park, Mass	15, 507	2	1											
Kearny, N. J.	18,659	4									1			
a Fayette, Ind	12,081	2			1		1							
ebanon, Pa.	19, 240	2 7												
Manistee, Mich	12, 381													
farinette, Wis	14,610	2											3	
darlboro, Mass	14, 579	6										1	1	
fassillon, Ohio	13, 879				1									
dedford, Mass	23.150	4					1			****	*****			
delrose, Mass	15, 715	5												
Moline, Ill	24, 199	8		****	7		3	****				2		
Montelair, N. J.	21,550	6			í							2		
Nanticoke, Pa	18, 877	2	1	1										
Newburyport, Mass	14,949	6	1											
North Adams, Mass	22,019	2								****	3			
		4			1									
Northampton, Mass	19, 431	2	0		1		5							
Palmer, Mass	4 400	0												
Palo Alto, Cal	4, 486	3												
eekskill, N. Y	00				12						2			
Plainfield, N. J	20,550	5									4	4		
ottstown, Pa		4			1		1					2		
andusky, Ohio		3											1	
aratoga Springs, N. Y		4									2	1		
outh Bethlehem, Pa	19,973	5	2	1										
teelton, Pa	14, 246	3	2		3									
Warren, Ohio	11,080	0												
Vilkinsburg, Pa	18, 294	5			1		2				2			
Voburn, Mass	15, 308	5	2		3						2			

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES (untabulated).

Arkansas—Little Rock.—Month of May, 1911. Population, 45,941. Total number of deaths from all causes not reported. Cases reported: Diphtheria 1, measles 2, scarlet fever 3, smallpox 4, typhoid fever 3. Colorado.—Three months ended March 31, 1911. Population, 799,024. Total number of deaths from all causes 3,210, including diphtheria 24, measles 63, scarlet fever 44, tuberculosis 537, typhoid fever 40. Cases reported: Diphtheria 258, measles 2,316, scarlet fever 669, smallpox 757, typhoid fever 116.

FLORIDA.—Week ended May 27, 1911. Reports from the State board of health show diphtheria present in one locality (Ocala) with 4 cases, malaria in 6 localities with 24 cases, smallpox in 11 counties with 92 cases, tuberculosis in 10 localities with 18 cases, typhoid fever in 4 localities with 9 cases.

· Iowa.—Month of April, 1911. Population 2,224,771. Total, number of deaths from all causes 1,898, including diphtheria 11, measles 27, scarlet fever 15, tuberculosis 144, typhoid fever 17.

MARYLAND.—Month of March, 1911. Population, 1,295,346. Total number of deaths from all causes 984, including diphtheria 11, measles 4, scarlet fever 1, tuberculosis 115, typhoid fever 20. Cases reported: Diphtheria 64, measles 429, scarlet fever 60, typhoid fever 44. The typhoid fever cases were distributed as follows: Potomac River watershed 19, Patapsco River watershed 8, Patuxent River watershed 1, Herring Run watershed 2.

NEW JERSEY.—Month of May, 1911. Population, 2,537,167. Total number of deaths from all causes 3,441, including diphtheria 51, measles 54, scarlet fever 29, tuberculosis 494, typhoid fever 18.

NEW YORK—Rome.—Month of May, 1911. Population, 20,497. Total number of deaths from all causes 32, including diphtheria 2, tuberculosis 11, typhoid fever 1. Cases reported: Diphtheria 15, measles 76, scarlet fever 64, tuberculosis 1.

NORTH DAKOTA.—Month of April, 1911. Population, 577,056. Total number of deaths from all causes 318, including scarlet fever 3, tuberculosis 5, typhoid fever 1. Cases reported: Diphtheria 55, measles 76, scarlet fever 48, smallpox 12, tuberculosis 21, typhoid fever 12.

Oregon.—Month of January, 1911. Population, 672,765. Total number of deaths from all causes 583, including diphtheria 6, measles 2, scarlet fever 5, tuberculosis 63, typhoid fever 8. Cases reported: Diphtheria 51, measles 431, scarlet fever 105, smallpox 5, tuberculosis 36, typhoid fever 45.

Month of February, 1911. Total number of deaths from all causes 531, including diphtheria 5, measles 1, scarlet fever 5, tuberculosis 48, typhoid fever 10. Cases reported: Diphtheria 35, measles 378, scarlet fever 105, smallpox 1, tuberculosis 25, typhoid fever 35.

Month of March, 1911. Total number of deaths from all causes 548, including diphtheria 4, measles 1, scarlet fever 8, tuberculosis 58, typhoid fever 4. Cases reported: Diphtheria 35, measles 353, scarlet fever 108, smallpox 2, tuberculosis 28, typhoid fever 29.

PENNSYLVANIA.-Morbidity: Month of April, 1911.

Reports from the State department of health show 14,482 cases of communicable diseases, distributed as follows: Anterior poliomye-

June 16, 1911 920

litis 10, cerebrospinal meningitis 15, chickenpox 733, diphtheria 958, erysipelas 220, German measles 48, malarial fever 5, measles 6,807, mumps 748, pneumonia 795, puerperal fever 13, scarlet fever 1,127, smallpox 13, tetanus 4, trachoma 22, tuberculosis 1,200, typhoid fever 523, whooping cough 1,241.

SOUTH CAROLINA—Charleston.—Month of May, 1911. Population, 58,833. Total number of deaths from all causes 144, including tuberculosis 18, typhoid fever 2. Cases reported: Scarlet fever 1.

FOREIGN AND INSULAR.

RECENT REPORTS OF CHOLERA.

With the onset of summer, cholera is again being reported from certain localities in Europe and occasional cases are being reported on vessels.

June 7 a cablegram was received from the American vice consul at Trieste, Austria, that a fatal case of cholera had occurred on the steamship *Saxonia*, which arrived at Trieste June 5, bound from New York by way of Genoa and Naples.

In Italy two deaths from cholera were reported June 8 at Reggio di Calabria and on June 14 one case at Lungro and two cases at Serrastretta, all in the extreme southern part of the country.

June 13 Dr. Doty, quarantine officer of the port of New York, reported that a steerage passenger from southern Italy, who had embarked at Naples June 2, on the steamship *Berlin*, had been taken ill June 6 and died 30 hours later of symptoms typical of cholera, as stated by the ship surgeon. The discharges from this patient were preserved and cultures forwarded by messenger to the Hygienic Laboratory at Washington, where the diagnosis of cholera was confirmed bacteriologically.

June 14 Dr. Doty further reported that the steamship Europa, from Naples, had arrived at New York that morning with a patient who had taken ill four days after leaving Naples. The patient was still ill and a clincal diagnosis of cholera made. The diagnosis of this case has also been confirmed bacteriologically at the Hygienic Laboratory from cultures forwarded by messenger from New York.

All necessary precautions to prevent the importation of the disease into the United States are being taken. Outgoing quarantine restrictions are being enforced at Naples. Steerage passengers are being held under observation for five days and baggage is being searched for foodstuffs, which when found are removed. The baggage is also being disinfected.

CHINA.

AMOY-Plague.

The American consul reports May 3 the increase of plague among Chinese in the vicinity of Amoy.

HONGKONG-Plague-infected Rat Found.

Surg. Brown reports May 2:

The sanitary board reported the finding of one plague-infected rat during the week ended April 29.

CUBA.

Transmissible Diseases.

The following statements of transmissible diseases in the island of Cuba were issued by the national department of sanitation:

APRIL 10-20. 1911.

Diseases.	New cases.	Deaths.	Under treat- ment.	Diseases.	New cases.	Deaths.	Under treat- ment.
Tuberculosis	69 1 34 19 24	84 1 2 7 1	2,488 353 118 53 26	Scarlet fever	14 200 35 11	ii	19 310 66

APRIL 20-30, 1911.

Tuberculosis Leprosy Malaria		Scarlet fever Measles Varicella	10 164 48	2 2	15 305 71		
Typhoid fever Diphtheria	21 22	1 2	60 18	Tetanus in the new born.	3	3	

GREAT BRITAIN.

Plague on Steamship at Glasgow.

The America ambassador at London reported June 9 to the Department of State the isolation in hospital at Glasgow, May 30, of a case of plague. The patient was a seaman from the steamship City of Benares. The case terminated fatally June 1, and was verified as plague. All precautions were taken and no fresh case has occurred.

as plague. All precautions were taken and no fresh case has occurred. The City of Benares left Kurrachee, India, April 8, for Liverpool, arriving at that port May 5 and sailing for Glasgow May 12.

GUIANA.

Georgetown-Smallpox.

Consul Clare reports May 20:

A case of smallpox occurred May 15 in this city. The patient has been isolated, all contacts have been vaccinated and are under observation, and the premises on which the case occurred have been fumigated:

HAWAII.

Record of Plague Infection.

The last case of human plague at Honolulu occurred July 12, 1910. The last plague-infected rat was found at Aiea, 9 miles from Honolulu, April 12, 1910.

At Hilo the last case of human plague occurred March 23, 1910. A fatal case occurred at Honokaa, 60 miles from Hilo, December 17, 1910; 2 fatal cases were reported January 31, 1911, and 1 fatal case was reported April 19.

The last plague-infected rat was found at Honokaa February 2, 1911.

Chief Quarantine Officer Ramus reports May 22:

HONOLULU.

Week ended May 20, 1911.

Total rats and mongooses taken
Rats trapped
Mongooses trapped
Examined bacteriologically
Classification of rats trapped:
Mus alexandrinus.
Mus musculus.
Mus norvegicus
Mus rattus.

INDIA.

CALCUTTA-Cholera, Plague, and Smallpox.

Acting Asst. Surg. Allan reports May 11:

During the week ended April 22 there were reported at Calcutta 80 deaths from cholera, 173 from plague, and 6 from smallpox; in all Bengal, 3,749 cases of plague with 3,205 deaths; in all India, 45,277 cases of plague with 39,241 deaths.

RANGOON-Comparative Statistics-Plague and Smallpox.

Consul Morehead reports May 1:

Mortality in Rangoon during the month of March, 1910 and 1911, was reported as follows:

	Number	Decrease	
Diseases.	March, 1910.	March, 1911.	or in- crease in 1911.
Smallpox	141	231	+90
Plague	91	101	+10
CholeraOther fevers	63	109	+46
Dysentery	71	58	-13
Respiratory	125	163	+38
All other causes	416	448	+32
Total	911	1,120	209

The death rate in March, 1911, was 46.44 per 1,000 of the popula-

tion as compared with 43.35 in March, 1910.

The large majority of deaths from epidemic diseases occurred in the native quarters along the river, where the death rate ranged from 50 to 60 per 1,000. In the European business section the death rate was only 15 per 1,000 and in the European residential

section 24.35 per 1,000.

Smallpox.—There were 613 cases of smallpox reported during March, 1911, as compared with 333 cases in the same month of last year, the deaths being 231 and 141, respectively. Smallpox was confined almost entirely to the native and Chinese quarters. There were only two deaths from this disease in the European residential section where the population were generally protected by vaccination and revaccination.

Bubonic plague.—During March, 1911, there were reported 107 cases of plague as compared with 104 in the same month of 1910. The deaths were 101 and 91, respectively, or 94.39 per cent of the cases in 1911 and 85.85 per cent in 1910. The Burmese and Hindu population suffered most heavily. During March, 1911, there were destroyed 34,935 rats.

Cases and deaths from the more prevalent diseases occurring in Rangoon during the months of January, February, and March,

1910 and 1911, are stated in the following table:

	1910					-			1911					
Diseases.	Ja	n.	Fe	eb.	Mar	ch.	ths.	Ja	ın.	Fe	eb.	N	far.	ths.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Total deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Total deaths.
Cholera	8 15 79	6 12 28 13 47 27 70 113 12 481	10 40 262	10 38 99 19 21 74 129 12 384	6 104 353	4 91 142 8 55 22 71 125 11 382	20 141 269 40 102 70 215 367 35 1,247	3 19 57	3 18 16 29 41 38 90 136 17	3 62 191	2 53 72 21 61 23 78 155 7	10 107 612	20	15 17: 31! 68 196 9: 226 45: 47 1, 196
Total		809		786			2,506		784		889		1, 120	2,79

JAPAN.

Plague in Formosa.

Surg. Irwin at Yokohama reports May 15:

Information received from Formosa shows plague to be increasing in Kagi Province, about 6 new cases being reported daily with a total since May 6 of 140 cases. The disease has attacked only the aboriginal population.

JAVA.

Cholera and Plague.

Consul Rairden at Batavia reports May 1:

During the week ended April 29 cholera increased rapidly at Batavia, 45 cases being reported. The port of Batavia was officially declared infected with cholera April 25.

Plague has spread from Malang district to the district of Japara, which is situated about 100 miles east of the port of Samarang.

MEXICO.

Frontera-Smallpox.

Information received from the American consul June 12 shows smallpox present at Frontera with 2 cases. The cases have been isolated and placed under observation.

Mexico City-Typhus Fever.

Consul General Shanklin reports:

During the two weeks ended May 6 there were reported in Mexico City 203 cases of typhus fever with 59 deaths.

PERU.

Decree Relative to Entry and Shipment of Corpses.

Consul General Robertson reports May 1:

Ministerial decree of April 22, 1911, modifying article 51 of the maritime sanitary regulations, prohibits the disembarkation of corpses from foreign countries unless the bodies are accompanied by a certificate signed by the Peruvian consul at the point of exportation stating that the exhuming or embalming and preservation of the bodies had been performed in accordance with the laws and regulations of the country in which the deaths took place. In no case will it be permitted to ship or disembark in Peruvian ports corpses that are not inclosed in a dov 'e coffin formed of one interior metallic case, hermetically sealed and impermeable to gases, and of an outer case of wood effectually protecting the integrity of the former

Status of Plague.

The following statements of plague in Peru were issued by the director of public health:

Month of February, 1911.1

[Corrections from previous report.]

Departments.	Cases remaining Jan. 31.	New cases.	Re- covered.	Died.	Remaining Feb. 28.
La Libertad.	18	73	8	30	53
Lambayeque.	2	5	5	2	
Piura.	7	26	6	14	

Month of March, 1911.2

Departments.	Cases remaining Feb. 28.	New cases.	Re- covered.	Died.	Remain- ing Mar. 31.
AncashArequipa	12 3	8	12 4	6	
Callão. Lambayeque. La Libertad.	53	24 60	7 49	1 10 13	51
LimaPiura	9 12	8 2	7 10	5	3

¹ Public Health Reports, Apr. 28, 1911, p. 618.

² Public Health Reports, May 12, 1911, p. 702.

April 2-22, 1911.

Departments.	Cases remain- ing Mar. 31.	New cases.	Recov- ered.	Died.	Remaining. Apr. 22.
Lima. Callao.	4	9	2	3	8
Trujillo	47 2	12	33	2	25
Chiclayo	10	3	7		7
Lambayeque	1	3	1	1	4
Piura	4		4		

Acting Asst. Surg. Castro-Gutierrez at Callao reports, May 20:

At Salaverry the American consular agent reports, April 17, that no infectious disease was reported in the port during the period from April 1 to 15.

Reports from Mollendo show increase of plague. Cases were reported as follows: In January, 14; in February, 3; in March, 8;

and from April 1 to 16 there were reported 10 cases.

Bills of health from ports south of Callao show as follows: At Mollendo (May 2), 6 cases with 2 deaths in previous two weeks; at Arica, Chile (May 1), plague present; at Iquique, Chile (April 30), 7 cases of plague with 5 deaths in previous two weeks; at Valparaiso, Chile (April 26), 55 cases of smallpox in previous two weeks.

RUSSIA.

Cholera.

Minister Rockhill at St. Petersburg reported May 16 to the Depart-

ment of State:

Official information for the period from April 28 to May 3 shows the occurrence of a case of cholera in the government of Kherson and of a fatal case in the city of Novorossysk.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

Reports Received During Week Ended June 16, 1911.

[These tables include cases and deaths recorded in reports received by the Surgeon General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:			,	
Bassein	Apr. 16-22	2 8	2 8	
Moulmine	do	8	8	
Italy:				
Lungro	June 14	1		
Reggio	June 8		2	
Serrastretta	June 14	2		
Java:	June 14	-	*********	
Batavia	Apr. 23-May 6	165	120	Including 13 Europeans
	Apr. 23-May 0	100	120	including is Europeans
Russia:	1 20 35 2			
Kherson government	Apr. 28-May 3	1		
Novorossysk	do	1	1	
Siam:				
Bangkok	Mar. 16-Apr. 15	521	521	
Straits Settlements:				
Singapore	Apr. 16-29	2	2	
Turkey in Asia:			_	
Smyrna	Apr. 28-May 6	7	3	
At sea	June 8		1	On s. s. Berlin bound for New
	June 9			York from Naples.
				Tork from Napies.

Reports Received During Week Ended June 16, 1911.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil: Pernambuco	Apr. 1–30		1	

PLAGUE.

	FLA	GUE.		
Arabia:				
Maskat Brazil:	May 7-13	5	5	
Para	May 21-27		. 1	
Pernambuco	Apr. 1-30		î	
Rio de Janeiro	Mar. 6-May 6		2	
Chile:	mail o may ontin		-	
Arica	May 1		1	Present.
Iquique	Apr. 16-May 6	13	7	- 100010
China:	The same of the sa	-	1	
Hongkong	Apr. 23-May 6	25	18	
Great Britain:	Topic so many o tree	-	1	
Glasgow	May 30-June 1	1	1	From s. s. City of Benares from Kurrachee.
India:				
Bombay	May 1-13	525	608	
Kurrachee	do	566	530	
Japan:		000		
Formosa	Apr. 16-22	13	12	In Kagi province to May 6: Cases 140.
Java:				2 407
Pasoroean Residency	Apr. 23-May 6	105	65	May 6, present in Japara and Surabaya.
Peru:				Burabaya.
Departments—				
Arequipa	Apr. 1-30	9	4	
Callao	Mar. 1-31	í	1	
Canadian	Apr. 1-30	2	î	
Chiclayo		3		
Lambayeque	Feb. 1-28.	1		Not previously reported.
Lambayeque	Mar. 19-31	15	7	Not previously reported.
	Apr. 1-30	3		
Libertad	Feb. 1-28	9	1	Do.
Labertau	Mar. 1-31	60	13	100.
	Apr. 1-30		2	
Lima	May 19-31	4	3	
14Ша	Apr. 1-30	9	3	
Pacasmayo	Apr. 1-30	1	1	
Piura	Feb. 1-28	1		Do.
Straits Settlements:	Feb. 1-28		********	Do.
	Ame 10 00	1		
Singapore	Apr. 16-22	1	1	
Siam:	Man 16 Apr 17	33	29	
Bangkok	Mar. 16-Apr. 15	03	29	
Furkey in Asia:	M 7 10			
Basra	May 7-13	2	2	

SMALLPOX.

Argentina:			
Buenos Aires	Mar. 1-31		9
Austria-Hungary:			
Galicia	May 7-13	3	
Tarnobrzeg			
Trieste		1	
Brazil:			
Para	May 14-27	6	1
Pernambuco	Mar. 15-Apr. 30		278
Rio de Janeiro	Mar. 6-May 6	6	2
Canada:			
Quebec	May 28-June 3	8	
Sydney		1	
Chile:			
Valparaiso	May 1-6	66	
China:			
Hongkong	Apr. 23-May 6	23	18
Egypt:			
Egypt: Cairo	May 1-13	4	
Port Said	do	16	13

Reports Received During Week Ended June 16, 1911.

SMALLPOX-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
France:				
Paris	May 6-13	1		
Germany:				
Hamburg	May 14-20	2		Total for May 21-27: Cases 3
Great Britain:				
London	May 14-27	18		
Guiana:				
Georgetown	May 15	1		
India:				
Bombay	May 1-13	60		
Madras	May 1-6	19	17	
Italy:				
Palermo	May 14-27	35	13	
Turin	Apr. 30-May 5	1		
Lourenco Marquez	Mar. 1-31	2		
Mexico:				
Chihuahua	May 8-21	3	1	
Ciudad Juarez	May 28-June 3	1		
Frontera				June 12: Cases 2.
Guadalajara	May 21-27			
Mexico	Apr. 23-May 6		38	
San Luis Potosi	May 13-20		5	
Tampico	May 20-30	8	1	
Portugal:				
Lisbon	May 14-20	15		
Russia:				
Libau	May 7-13	1	********	
Moscow	do	28	12	
Siam:				
Bangkok	Mar. 16-Apr 15	4	4	
South Africa:				
Capetown	Dec. 23-29	3		
Spain:				
Barcelona	May 17-26	1	1	
Straits Settlements:		_		
Penang	Apr. 16-22	.1		
Sin spore	Apr. 16-29	15	4	
Turkey in Asia:		_		
Beirut	May 7-20	5		
Harput	May 1-13	13	2	
Uruguay:	35 1 01			
Montevideo	Mar. 1-31	8	2	
Zanzibar:				
Zanzibar	Apr. 24–30	2	1	

Reports Received from Dec. 31, 1910, to June 9, 1911.

[For reports received from June 25, 1910, to Dec. 30, 1910, see Public Health Reports for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

				1
Place.	Date.	Cases.	Deaths.	Remarks.
		-		
Arabia:				
Bajil	Jan. 18-Feb. 12	'49	41	
Hodeida	Jan. 23-Feb. 12	188	133	Apr. 18, present among troops.
Jebel Akhdar	Apr. 1-18			Present in remote villages.
Perim	Jan. 23			Present.
Maskat	Nov. 20-30	7	7	
Menaka	Jan. 19-Feb. 12	97	24	
Obal	Jan. 27-Feb. 12	3	3	
Zaida	do	27	15	
Austria-Hungary	Aug. 3-Nov. 7		2	Not previously reported.
Croatia and Slavonia	Dec. 4-17	5	2	
Maren	Oct. 1-9	3		
Hungary	Nov. 27-Dec. 17	9	3	
Trieste	June 5	1	1	On s. s. Saxonia, from New York via Genoa and Naples.
Bulgaria:				
Tartar-Pazardjik	Jan. 10	2	2	
Varna	Nov. 29	2		From steamship Bulgarie, 3 fata cases having been reported of p. 1936, Vol. XXV.
Ceylon:				P
Colombo	Dec. 11-24	4	3	

Reports Received from Dec. 31, 1910, to June 9, 1911.

CHOLERA-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy	May 9			Present.
Newchwang	Aug. 1-Nov. 22 Aug. 1-31			Occasional cases.
Shanghai	Aug. 1-31		1	Reported out of date.
Honolulu	Feb. 25-Apr. 25	39	29	Total from Feb. 25-Mar. 14: Cases 31; deaths, 22. Apr. 12-25 Cases, 8; deaths, 7.
India:				
Bassein	Mar. 5-Apr. 1 Nov. 23-Mar. 18	4	109	Feb. 19-Apr. 22: Cases, 5.
Bombay	Nov. 13-Apr. 22		923	reb. 19-Apr. 22. Cases, o.
Madras	Nov. 13-Apr. 22 Nov. 27-Apr. 29		17	Madras Presidency, Oct. 1-Dec 31: Cases, 8,382; deaths, 4,546 Report for Oct. 16-31 not re ceived. Jan. 1-Apr. 30: Cases 15,201; deaths, 8,638. Repor for Mar. 1-15 not received.
Moulmine	Mar. 5-Apr. 1	20	17	for Mar. 1-15 not received.
Rangoon	Jan. 1-Apr. 29	88	65	
indo-China:			-	
Saigon	Dec. 12-Apr. 16	75	38	
Italy			********	Total for Italy, Dec. 27-Jan. 30
Provinces				Cases, 111; deaths, 17.
Provinces— Aquilla	Dec. 4-17	4	1	
Bari	Dec. 27-Jan. 30		2	
BariCaltanisetta	Dec. 4-10	ĭ		
Caserta	Dec. 4-Jan. 14	15	3	
Catanzaro	Dec. 27-Jan. 6, Dec. 11-Jan. 30	2	2	
Lecce Palermo—	Dec. 11-Jan. 30	111	13	
Palermo	Dec. 4-10	16	6	
Insane asylum.	Dec. 4-Jan. 6	24	6	
Rome	do	10	7	
Salerno	Dec. 11-Jan. 6	10		
apan			********	Total for Japan, Sept. 14-Nov. 36 Cases, 2,770: deaths, 1,923, in- cluding cases and deaths ap- pearing on p. 1937, Vol. XXV.
Aichi ken	Oct. 16-Nov. 20 Sept. 23-Nov. 30 Nov. 20-Dec. 17	3	3	
Ehime ken Formosa	Sept. 23-Nov. 30	27 11	19	Mainly in Kelung and Taihoku.
Fukuoka ken	Sont 20 Nov 30	234	165	mainly in Keiting and Tamoku.
Hiogo ken, Kobe	Sept. 12-Nov. 30 Sept. 25-Nov. 30 Oct. 2-Nov. 30	607	396	
Hiroshima ken	Sept. 25-Nov. 30	58	30	
Kagawa ken	Oct. 2-Nov. 30	293	201	
Kagoshima ken	Oct. 28-Nov. 30 Oct. 18-Nov. 30	4	3	
Kochi ken Kyoto fu	Sept 30 Nov 30	70 143	42 119	
Kumamoto ken	Oct. 18-Nov. 30	19	11	
Miye ken	Sept. 30-Nov. 30 Oct. 18-Nov. 30 Oct. 11-Nov. 30	8	5	
Nagasaki ken	Oct. 16-Nov. 30	26	11	Dec. 12-25, 5 cases, 1 death.
Nara ken	Oct. 3-Nov. 30	31	23	
Oita ken	Oct. 10-Nov. 30	71	1	
Okayama ken Osaka fu	Sept. 29-Nov. 30 Sept. 17-Nov. 30	951	692	
Saga ken	Oot 4-Nov 20	51	31	
Shiga kenShimane ken	Nov. 20-30 Oct. 24-Nov. 30 Oct. 3-Nov. 30	7	6	
Shimane ken	Oct. 24-Nov. 30	7	5	
Tokushima ken	Oct. 3-Nov. 30	59	37	
Tokyo fu Wakayama ken	Oct. 18-Nov. 30 Oct. 6-Nov. 30	57	44	
Yamaguchi ken	Oct. 12-Nov. 30	41	29	
ava	000.12 2101.00			Bali, Praja, Feb. 1-28: Cases,
Batavia	Nov 12 Apr 99	46	25	Bali, Praja, Feb. 1-28: Cases, 294; deaths, 174. Lombok, Djouggat: Cases, 284; deaths, 201. Čelebes, Apr. 13-May 4. Present.
Samarang	Nov. 13-Apr. 22 Sept. 11-Feb. 10	620	534	
Surabaya	Oct. 23-Mar. 4	26	15	
Corea:				
Seoul	Oct. 26-Nov. 5	1	1	
Madeira	************	******	*******	Total for Madeira, Nov. 16-Feb. 8: Cases, 1,774; deaths, 555, in-
				8: Cases, 1,774; deaths, 555, in- cluding report, page 1938. Vol. XXV.

Reports Received from Dec. 31, 1910, to June 9, 1911.

CHOLERA-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Madeira—Continued.				
Madeira—Continued. Funchal Calheta. Camara dos Lobos. Machico. Ponto do Sol. Santa Cruz. Porto Santo Island.	Nov. 16-Feb. 8	635	210	
Calheta	Dec. 9-31	1	210	
Camara dos Lobos	Nov. 16-Feb. 8	513	160	
Machico	do	278	75	
Ponto do Sol	do	195	71	1
Santa Cruz	do	80	26	
Porto Santo Island	Nov. 10-Feb 8	00	13	
ersia:	1404. 10-1 60. 8		2.0	
				Present.
Ardestan	Nov. 30 Oct. 5-Nov. 8 Nov. 10		61	I I COCMO.
Birjend	Nov. 10		01	Do.
Chalfaroud	Jan. 3	******	********	Do.
Enzeli	Nov. 8-25	9	11	Present in vicinity and in Pire
***************************************	2404. 0 20		**	Bazar.
Hamadan	Oct. 6-Dec. 3	49	22	Disput.
	Nov. 30	4.5		Present.
Kashan	Oct 12 20		5	r resent.
	Oct. 13–20. Nov. 22–Dec. 24. Nov. 5–10.	100	51	
Kerman	Nov. 22-Dec. 24	100	91	
Kermanchah	Nov. 3-10	11	6	
Mohammerah	Nov. 13-Dec. 5 Nov. 20	11	3	
Mollag-Ali	Nov. 20	6	40	Descent in all wills are in winter
Resht. Turbat-i-Hibari	Nov. 19-Dec. 3	48	42	Present in all villages in vicinity
turbat-1-111Dari	Oct. 10-Nov. 15	66	25	
hilippine Islands: Manila	N 0 D 01			Mr. 1-1 1010: Coos 107
Maniia	Nov. 6-Dec. 31	9	6	Third quarter, 1910: Cases, 195
**				deaths, 141.
Provinces				Third quarter, 1910: Cases, 5,657
				deaths, 4,089.
Albay	Dec. 24-Mar. 11	59	47	
Bulacan	Nov. 6-Feb. 4	18	15	
Ilocos Sur	Nov. 6-Dec. 17	58	38	
Mindoro	Nov. 6-Feb. 25	37	27	
Rizal	Nov. 6-Feb. 18	41	32	
Albay Bulacan Ilocos Sur Mindoro Rizal Union	Nov. 6-12	3	1	
ussia				Total for Russia, Nov. 20-Feb. 4:
Baku government—				Total for Russia, Nov. 20-Feb. 4: Cases, 1,230; deaths, 303. From May 8-Feb. 4: Cases, 216,796; deaths, 100,982. Apr. 28-May 3, 2 cases in the southern part.
Baku	Nov. 6-Dec. 17	6	9	
Batum	Dec. 4-10	2	2 1 2	
Don territory	Nov 6-19	6	9	
Erivan gove-ament	Nov. 6 Dec 10	4	4	
Forebana tarritory	Nov. 6-10	6	6	
Kharkov government	Nov. 6-19	2	0	
Knarkov government	Nov. 6 Jan 7	2	1	
Whoman government	Now 6 Dec 2	4		
Viet component	Nov. 6-Dec. 3	42	4	
Kiel government	Nov. 6-Feb. 4	45	18	
Lublin territory	Nov. 6-13	4	13	
Lubin government	Nov. 20-20	31	13	W
Mobiles government	Non 6 10	4 2	1	New outbreak.
Batum. Don territory Erivan government Ferghana territory Kharkov government. Kazan government. Kherson government. Kief government. Kuban territory Lublin government. Minsk government. Mohilev government. Orenburg government. Orenburg government. Perm government. Perm government.	Nov. 6-19	12	1	
Orenburg government	Nov. 13-24	15	6	
Oula government	Nov. 6-12	2	1	
Perm government	Nov. 20-26	1		
Podolia government	Nov. 13-Jan. 28	11	4	
Rjasan government	Nov. 6-12	2		
St. Petersburg government.	do	2		
St. Petersburg	Nov. 6-Dec. 31	32	16	
Samara government	Nov. 6-19	6		
Saratov government	Nov. 13-26	8	6	
St. Petersburg government. St. Petersburg government. St. Petersburg. Samara government. Saratov government. Siberia, eastern.	Nov. 16-19	12	3	Vladivostok, Oct. 29-Nov. 13: Cases, 4; deaths, 17. See p. 1939, Vol. XXV.
Syr Darya territory. Taurida government— Sebastopol. Tambov government. Tiflis government. Vitebsk government. Veronesch overnment.	do	7	4	,
Sebastopol	Nov. 13-Dec. 3	7	4	
Tambov government	Nov. 13-Dec. 10	86	34	
Tiflis government	Nov. 6-26	2		
Vitebsk government	Nov. 6-19	3	2	
Veronesch overnment.	Nov. 6-12	2		May 8, 1 case.
Yekaterinoslav government	Nev. 6-Jan. 14	65	34	, .,
am:				
Bangkokraits Settlements: Singapore	Nov. 6-Mar. 18	753	743	
Singapore	Dec. 25-Apr. 15	5	4	

Reports Received from Dec. 31, 1910, to June 9, 1911.

CHOLERA-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
	-	-	-	
Sumatra		******	********	Mar. 7, present in Soembaw Batangkapas, Taloe, and Tir belon. Mar. 25, present
Bambel	Dec 20			Solok. Present.
Biagmoeti	Dec. 29 Nov. 14			Do.
Keretan	Dec. 29	*******		Do.
Pengoeloedjahar	Nov. 14			Do.
Tripoli:				
Amrousse	Sept. 20-Dec. 8			
Hani Tripoli	do			Matal Sant 20 Dec 5: 6 00
Tripon	Nov. 15-Dec. 8	37	37	Total Sept. 20-Dec. 8: Cases, 32 deaths, 233.
Turkey:				deaths, 200.
Adrianople Vilayet	Nov. 21-Dec. 15	60	60	94 cases and 34 deaths reported
Constantinople	Nov. 22-Jan. 16	841	529	p. 1940, Vol. XXV. Total from Sept. 13–Jan. 16 Cases, 1,318; deaths, 793.
Saloniki Vilayet	Dec. 11-31	50	25	Cases, 1,318; deaths, 793.
Turkey in Asia: Bagdad Vilayet	Nov. 20-Dec 11	119	115	Total Oct. 16-Jan. 16: Cases, 819
Basra		10	9	deaths, 723.
Medina	Jan. 22-Feb. 28	10	667	
Mekka		153	142	Feb. 5, present.
Samsun	Nov. 20-Dec. 3	6	6	May 31, present.
Smyrna	Nov. 20-Apr. 27	332	200	and or freeze
Trebizond	Nov. 20-Dec. 18	107	42	And vicinity.
Yembo	Jan. 7-Feb. 13	37	37	
Zongouldak	Nov. 20-Dec. 16	9	6	
	YELLOW	FEVE	R.	
Barbados			1	
DBI DBCIOS	May 8-June 7	2	1	
Brazil:	May 8-June 7	_		
Brazil: Bahia	Apr. 16-Apr. 26	-	14	
Brazil:				
Brazil: Bahia. Manaos. Para.	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20	188	14 161 84	Mar. 12, 1 case from the Britis s. s. Cearense.
Brazil: Bahia. Manaos. Para. Pernambuco. Rio de Janeiro.	Apr. 16–Apr. 26 Dec. 4–May 13 Nov. 27–May 20	188	14 161	
Brazii:	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15 Feb. 21-Mar.11	188	14 161 84 1	s. s. Cearense.
Brazil: Bahia. Manaos. Para. Pernambueo. Rio de Janeiro. British Gold Coast: Accra. Dominican Republic:	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15 Feb. 21-Mar.11 May 29	188	14 161 84 1	s. s. Cearense. Present.
Brazil: Bahia. Manaos. Para. Pernambuco. Rio de Janeiro. British Gold Coast: Acera. Dominican Republic: Santiago de los Caballeros.	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15 Feb. 21-Mar.11 May 29	188	14 161 84 1	s. s. Cearense.
Brazil: Bahia. Manaos. Para. Pernambuco. Rio de Janeiro. British Gold Coast: Acera. Dominican Republic: Santiago de los Caballeros.	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15 Feb. 21-Mar.11 May 29	188	14 161 84 1	s. s. Cearense. Present. Sept., 1910, present. Including 14 cases with 3 deaths in April, on a coaling vessel at
Brazil: Bahia	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15 Feb. 21-Mar.11 May 29 Nov. 1-Apr. 30	188	14 161 84 1 1	s. s. Cearense. Present. Sept., 1910, present. Including 14 cases with 3 deaths
Brazil: Bahia. Manaos. Para. Pernambueo. Rio de Janeiro. British Gold Coast: Acera. Cominican Republie: Santiago de los Caballeros. Ceuador: Guayaquil.	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15. Feb. 21-Mar.11 May 29 Nov. 1-Apr. 30 Apr. 1-30	188	14 161 84 1 1	s. s. Cearense. Present. Sept., 1910, present. Including 14 cases with 3 deaths in April, on a coaling vessel at
Brazil: Bahia. Manaos. Para. Pernambueo. Rio de Janeiro. British Gold Coast: Accra. Dominican Republie: Santiago de los Caballeros. ceuador: Guayaquil. Milagro. Naranjito. San Antonio, hacienda.	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15 Feb. 21-Mar.11 May 29 Nov. 1-Apr. 30 Apr. 1-30 Mar. 1-Apr. 15	188	14 161 84 1 1	s. s. Cearense. Present. Sept., 1910, present. Including 14 cases with 3 deaths in April, on a coaling vessel at
Brazil: Bahia. Manaos Para. Pernambuco. Rio de Janeiro. British Gold Coast: Acera. Dominican Republic: Santiago de los Caballeros. zeuador: Guayaquil. Milagro. Naranjito. San Antonio, hacienda.	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15 Feb. 21-Mar.11 May 29 Nov. 1-Apr. 30 Apr. 1-30 Mar. 1-Apr. 15 Mar. 1-31	169	14 161 84 1 1 1	s. s. Cearense. Present. Sept., 1910, present. Including 14 cases with 3 deaths in April, on a coaling vessel at dock.
Brazil: Bahia. Manaos. Para. Pernambueo. Rio de Janeiro. Sritish Gold Coast: Accra. Dominican Republic: Santiago de los Caballeros. Seusdor: Guayaquil. Milagro. Naranjito. San Antonio, hacienda. Jambia: Bathurst. Jenduras:	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15 Feb. 21-Mar.11 May 29 Nov. 1-Apr. 30 Apr. 1-30 Mar. 1-Apr. 15 Mar. 1-31 Mar. 29	188 1 169 3 4 1	14 161 84 1 1 1 60	s. s. Cearense. Present. Sept., 1910, present. Including 14 cases with 3 deaths in April, on a coaling vessel at dock. Present.
Brazil: Bahia. Manaos. Para. Pernambuco. Rio de Janeiro. British Gold Coast: Accra. Dominican Republie: Santiago de los Caballeros. Ecuador: Guayaquil. Milagro. Naranjito. San Antonio, hacienda. Jambia: Bathurst. Ionduras: Puerto Cortez.	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15 Feb. 21-Mar.11 May 29 Nov. 1-Apr. 30 Apr. 1-30 Mar. 1-Apr. 15 Mar. 29 Jan. 21-29	188 1 169 3 4 1	14 161 84 1 1 1	Present. Sept., 1910, present. Including 14 cases with 3 deaths in April, on a coaling vessel at dock. Present. 1 fatal case on U.S. S. Marietta
Brazil: Bahia. Manaos. Para. Pernambuco. Rio de Janeiro. British Gold Coast: Acera. Oominican Republie: Santiago de los Caballeros. Ceuador: Guayaquil. Milagro. Naranjito. San Antonio, hacienda. Bathurst Londuras: Puerto Cortez.	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15 Feb. 21-Mar.11 May 29 Nov. 1-Apr. 30 Apr. 1-30 Mar. 1-Apr. 15 Mar. 1-31 Mar. 29	188 1 169 3 4 1	14 161 84 1 1 1 60	s. s. Cearense. Present. Sept., 1910, present. Including 14 cases with 3 deaths in April, on a coaling vessel addock. Present. 1 fatal case on U. S. S. Marietta From Laguna. From S. S. Opland from Guate
Brazil: Bahia. Manaos. Para. Pernambuco. Rio de Janeiro. British Gold Coast: Accra. Dominican Republic: Santiago de los Caballeros. Seusdor: Guayaquil. Milagro. Naranjito. San Antonio, hacienda. Jambia: Bathurst. Jonduras: Puerto Cortez. Jexico: Frontera. Salina Cruz. Cortuguese Guinea.	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15 Feb. 21-Mar.11 May 29 Nov. 1-Apr. 30 Apr. 1-30 Mar. 1-Apr. 15 Mar. 29 Jan. 21-29	188 1 109 3 4 1	14 161 84 1 1 1 60 2 1 1	s. s. Cearense. Present. Sept., 1910, present. Including 14 cases with 3 deaths in April, on a coaling vessel at dock. Present. 1 fatal case on U.S.S.Marietta
Brazil: Bahia. Manaos. Para. Pernambueo. Rio de Janeiro. British Gold Coast: Accra. Dominican Republie: Santiago de los Caballeros. ceusdor: Guayaquil. Milagro. Naranjito. San Antonio, hacienda. lambia: Bathurst. londuras: Puerto Cortez. leexico: Frontera. Salina Cruz. Jortuguese Guinea.	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15 Feb. 21-Mar.11 May 29 Nov. 1-Apr. 30 Apr. 1-30 Mar. 1-Apr. 15 Mar. 1-31 Mar. 29 Jan. 21-29 June 7 Mar. 4 May 24	188 1 169 3 4 1	14 161 84 1 1 1 60 2 1 1	s. s. Cearense. Present. Sept., 1910, present. Including 14 cases with 3 deaths in April, on a coaling vessel at dock. Present. 1 fatal case on U.S. S. Marietta From Laguna. From s. s. Opland from Guate malan ports. Present.
Brazil: Bahia. Manaos. Para. Pernambuco. Rio de Janeiro. British Gold Coast: Acera. Dominican Republic: Santiago de los Caballeros. Seuador: Guayaquil. Milagro. Naranjito. San Antonio, hacienda. Jambia: Bathurst. Honduras: Puerto Cortez. Lexieo: Frontera. Salina Cruz.	Apr. 16-Apr. 26. Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15 Feb. 21-Mar.11 May 29 Nov. 1-Apr. 30 Apr. 1-30 Mar. 1-31 Mar. 29 Jan. 21-29 June 7 Mar. 4	188 1 169 3 4 1	14 161 84 1 1 1 60 2 1 1	s. s. Cearense. Present. Sept., 1910, present. Including 14 cases with 3 deaths in April, on a coaling vessel at dock. Present. 1 fatal case on U. S. S. Marietta From Laguna. From s. Opland from Guate malan ports. Present. Nov. 22-Dec. 3, 5 deaths. Jan. 22-27, 1 fatal case in Canton
Brazii: Bahia. Manaos. Para. Pernambuco. Rio de Janeiro. British Gold Coast: Acera. Dominican Republie: Santiago de los Caballeros. Ecuador: Guayaquil. Milagro. Naranjito. San Antonio, hacienda. Jambias: Bathurst. Jonduras: Puerto Cortez. Jexico: Frontera. Salina Cruz. Cortuguese Guinea. Jeneias. Jeneias	Apr. 16-Apr. 26 Dec. 4-May 13 Nov. 27-May 20 Mar. 1-15 Feb. 21-Mar.11 May 29 Nov. 1-Apr. 30 Apr. 1-30 Mar. 1-Apr. 15 Mar. 1-31 Mar. 29 Jan. 21-29 June 7 Mar. 4 May 24	188 1 169 3 4 1	14 161 84 1 1 1 60 2 1 1	s. s. Cearense. Present. Sept., 1910, present. Including 14 cases with 3 deaths in April, on a coaling vessel adock. Present. 1 fatal case on U.S. S. Marietta From Laguna. From s. s. Opland from Guate malan ports. Present. Nov. 22-Dec. 3, 5 deaths.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued. Reports Received from Dec. 31, 1910, to June 9, 1911.

PLAGUE.

	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Maskat	Mar. 26-May 6	68	46	
zores:				
Terceira	Dec. 24			Present.
Brazil:	0-1 00 1 15	- 00		
Bahia	Oct. 29-Apr. 15	65 10	53	Toma 7 manage
Para Pernambuco	Apr. 2-May 20 July 1-Apr. 15	10	6 16	June 7, present.
Rio de Janeiro	Jan. 1-31	12	9	Nov. 1-Dec. 31: Cases 19, deaths 5
Sao Paulo	Jan. 8-Feb. 25	3		1107.1 Doc. of. Cases 15, deaths
ritish East Africa.				
Kismavu	May 19			Present
ritish Egyptian Soudan:				
Suakin	Apr. 20-23	1		On s. s. Sultana.
hile:	Ion Of Fab 5		1	D 00 1 17
Arica	Jan. 26-Feb. 5	5	1	Dec. 28-Apr. 17, present. Mar. 2-19: Cases 11, deaths 2.
Iquique Pisagua	Jan. 1-28 Feb. 7-Apr. 7	9	3 7	Mar. 2-19: Cases 11, deaths 2.
risagua	Feb. 1-Apr. 1	9	,	
Amoy	Jan. 21-Mar. 18	11	11	Apr. 16-22: 4 deaths daily; Jan 21-Apr. 29, present in Amo Island and Mar. 26-Apr. 8, 1 deaths. Three of these case were of the pneumonic form.
Kulangsu	Jan. 1-21	3	3	were of the pheumome form.
Changtu	Jan. 14			Present.
Hongkong	Apr. 24-26	5		
Paoting-fu	Apr. 24–26 Jan. 24			Do.
Peking	Jan. 24do	2		
Shantung Province				Total, Jan. 12-Apr. 13: Deaths
Chafes				3,060.
Chefoo Chinchowfu	Jan. 15-Apr. 15		1,100	
Lajchow	Mar. 12-18	******	36	
Pingtau	Mar. 12–18. Apr. 15. Mar. 12–18. Feb. 4. Dec. 6–Jan. 4.		300	Present.
Tengchowfu	Feb 4		30	Fresent.
Sioke	Dec. 6-Jan. 4	*******		Present in the interior 60 miles
Cloud	200.000			from Amoy.
Swatow	Jan. 28-May 6			
Tientsin	Jan. 21-Mar. 18		27	Jan. 17-Feb. 20, 60 cases.
Wangkochuang				Feb. 25, present.
Manchuria			********	Present in vicinity. Jan. 17-Feb. 20, 60 cases. Feb. 25, present. Total for Manchuria, Oct. 25- Feb. 3: Cases, 1,176 Chinese, 46 Europeans; deaths, 1,164 Chinese, 37 Europeans. Total deaths to Mar. 29, 42,756.
Ah Cheng	To Mar. 9		1,451	deaths to Mar. 29, 42,756.
An Feng Line.	To Mar. 9 Feb. 13		1, 451 41	
Asnine	To Mar. 9	2	41	deaths to Mar. 29, 42,756. Feb. 10: Deaths, 300 daily.
Buhedu	To Mar. 9	2 3	41	
Buhedu	Feb. 13 Dec. 25-Jan. 13 Oct. 30 Jan. 1-Mar. 27	2 3	3 2,695	
Buhedu	Feb. 13 Dec. 25-Jan. 13 Oct. 30 Jan. 1-Mar. 27	2 3	2,695 428	
Asnine Buhedu Changehun Chang Tu Chen An	Feb. 13 Dec. 25-Jan. 13 Oct. 30 Jan. 1-Mar. 27	2 3	2,695 428 88	
Asnine Buhedu Changehun Chang Tu Chen An	Feb. 13 Dec. 25-Jan. 13 Oct. 30 Jan. 1-Mar. 27	2 3	3 2,695 428 88 672	
Asnine Buhedu Changehun Chang Tu Chen An Cheng Te Ching Chow Ching Hsi	Feb. 13 Dec. 25-Jan. 13 Oct. 30 Jan. 1-Mar. 27	2 3	3 2,695 428 88 672 36	
Asnine Buhedu Changehun Chang Tu Chen An Cheng Te Ching Chow Ching Hsi	Feb. 13 Dec. 25-Jan. 13 Oct. 30 Jan. 1-Mar. 27	2 3	3 2,695 428 88 672 36 19 60	
Asine Buhedu. Changehun Chang Tu Chen An Chen Te Ching Chow Ching Hsi. Dalny Dunzenshan	Feb. 13 Dec. 25-Jan. 13 Oct. 30 Jan. 1-Mar. 27 To Mar. 9 Mar. 7 Mar. 10 To Mar. 2 Mar. 4 Jan. 11-Feb. 8 To Dec. 25-Feb. 3.	2 3	2,695 428 88 672 36 19 60 22	
Asnine Buhedu Changehun Chang Tu Chen An Cheng Te Ching Chow Ching Hsi Dalny Dunzenshan Fa Ku	Feb. 13 Dec. 25-Jan. 13. Oct. 30. Jan. 1-Mar. 27. To Mar. 9. Mar. 7. Mar. 10. To Mar. 2. Mar. 4. Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Mar. 32.	2 3	3 2,695 428 88 672 36 19 60 22 217	
Asinie Buhedu Changehun Chang Tu Chen An Cheng Te Ching Chow Ching Hsi Dalny Dunzenshan Fa Ku Feng Hua	Feb. 13 Dec. 25-Jan. 13. Oct. 30. Jan. 1-Mar. 27. To Mar. 9. Mar. 7. Mar. 10. To Mar. 2. Mar. 4. Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Mar. 32.	2 3	3 2,695 428 88 672 36 19 60 22 217 149	
Asnine Buhedu Changehun Chang Tu Chen An Cheng Te Ching Chow Ching Hsi Dalny Dunzenshan Fa Ku Feng Hua Fenting Province	Feb. 13 Dec. 25-Jan. 13. Oct. 30. Jan. 1-Mar. 27. To Mar. 9. Mar. 7. Mar. 10. To Mar. 2. Mar. 4. Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Mar. 32.	2 3	3 2,695 428 88 672 36 19 60 22 217	Feb. 10: Deaths, 300 daily.
Asinne Buhedu Changehun Chang Tu Chen An Cheng Te Ching Chow Ching Hsi Dalny Dunzenshan Fa Ku Feng Hua Fenting Province Fuchiatien	Feb. 13 Dec. 25-Jan. 13. Oct. 30 Jan. 1-Mar. 27. To Mar. 9. Mar. 7. Mar. 10. To Mar. 2. Mar. 4. Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Mar. 3. To Feb. 13. To Feb. 15. To Mar. 29.	2 3	3 2,695 428 88 672 36 19 60 22 217 149 7,137	
Asnine Buhedu Changehun Chang Tu Chen An Cheng Te Ching Hsi Dalny Dunzenshan Fa Ku Feng Hua Fenting Province Fuchiatien Fushun	Feb. 13 Dec. 25-Jan. 13. Oct. 30 Jan. 1-Mar. 27. To Mar. 9. Mar. 7. Mar. 10. To Mar. 2 Mar. 4. Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Mar. 3. To Feb. 15. To Mar. 29.	2 3	3 2,695 428 88 672 36 19 60 22 217 149 7,137	Feb. 10: Deaths, 300 daily.
Asnine Buhedu Changehun Chang Tu Chen An Cheng Te Ching Chow Ching Hsl. Dalny Dunzenshan Fa Ku Feng Hua. Fenting Province Fuchiatien Fushun Hailar	Feb. 13 Dec. 25-Jan. 13. Oct. 30 Jan. 1-Mar. 27. To Mar. 9. Mar. 7. Mar. 10. To Mar. 2 Mar. 4. Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Mar. 3. To Feb. 15. To Mar. 29.	2 3	3 2,695 428 88 672 36 19 60 22 217 149 7,137	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149.
Asnine Buhedu Changehun Chang Tu Chen An Cheng Te Ching Chow Ching Hsi Duny Dunzenshan Fa Ku Feng Hua Fenting Province Fuchiatien Fushun	Feb. 13 Dec. 25-Jan. 13. Oct. 30 Jan. 1-Mar. 27. To Mar. 9. Mar. 7. Mar. 10. To Mar. 2. Mar. 4. Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Mar. 3. To Feb. 13. To Feb. 15. To Mar. 29.	2 3	3 2,695 428 88 672 36 19 60 22 217 149 7,137	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149.
Asnine Buhedu Changehun Chang Tu Chen An Cheng Te Ching Chow Ching Hsl. Dalny Dunzenshan Fa Ku Feng Hua. Fenting Province Fuchiatien Fushun Hailar	Feb. 13 Dec. 25-Jan. 13. Oct. 30 Jan. 1-Mar. 27. To Mar. 9. Mar. 7. Mar. 10. To Mar. 2 Mar. 4. Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Mar. 3. To Feb. 15. To Mar. 29.	2 3	3 2,695 428 88 672 36 19 60 22 217 149 7,137	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149. And vicinity, Nov. 8-Mar. 18: Deaths, 1,554 Chinese; 54 Euro-
Asnine Buhedu Changehun Chang Tu Cheng Tu Chen An Cheng Te Ching Chow Ching Hsi Dalny Dunzenshan Fa Ku Feng Hua Fenting Province Fuchiatien Fushun Hailar Harbin	Feb. 13—Dec. 25-Jan. 13. Oct. 30. Jan. 1-Mar. 27. To Mar. 9. Mar. 7. Mar. 10. To Mar. 2. Mar. 4. Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Mar. 3. To Feb. 13. To Mar. 29. To Mar. 9. Dec. 6-Feb. 5.	66	3 2,695 428 88 672 36 19 60 22 217 149 7,137	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149.
Asnine Buhedu Changehun Chang Tu Chen An Cheng Te Ching Chow Ching Hsi Dalny Dunzenshan Fa Ku Feng Hua Fenting Province Fuchiatien Fushun Hailar Harbin	Feb. 13 Dec. 25-Jan. 13. Oct. 30 Jan. 1-Mar. 27. To Mar. 9 Mar. 7 Mar. 7 Mar. 10 To Mar. 2 Mar. 4 Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Feb. 13 To Mar. 29 To Mar. 9 Dec. 6-Feb. 5.	2 3	3 2,695 428 88 672 36 19 60 22 217 149 7,137	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149. And vicinity, Nov. 8-Mar. 18: Deaths, 1,554 Chinese; 54 Euro-
Asnine Buhedu Changehun Chang Tu Chen An Cheng Te Ching Chow Ching Hsi Dalny Dunzenshan Fa Ku Feng Hua Fenting Province Fuchiatien Fushun Hailar Harbin Heilung Heilungkiang	Feb. 13 Dec. 25-Jan. 13. Oct. 30 Jan. 1-Mar. 27. To Mar. 9 Mar. 7 Mar. 7 Mar. 10 To Mar. 2 Mar. 4 Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Feb. 13 To Mar. 29 To Mar. 9 Dec. 6-Feb. 5.	2 3	3 2,695 428 88 672 36 19 60 22 217 149 7,137	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149. And vicinity, Nov. 8-Mar. 18: Deaths, 1,554 Chinese; 54 Euro-
Asnine Buhedu Changehun Chang Tu Chen An Cheng Te Ching Chow Ching Hsi Dalny Dunzenshan Fa Ku Feng Hua Fenting Province Fuchiatien Fushun Hailar Harbin Heilung Heilungkiang Hismintun Hsi An	Feb. 13 Dec. 25-Jan. 13. Oct. 30. Jan. 1-Mar. 27. To Mar. 9. Mar. 7. Mar. 10. To Mar. 2. Mar. 4. Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Feb. 15. To Mar. 29. To Mar. 9 Dec. 6-Feb. 5. Feb. 27 Jan. 7-Mar. 29. To Mar. 7 Feb. 28.	66	41 3 2,695 88 672 36 19 60 22 217 149 7,137 66 86	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149. And vicinity, Nov. 8-Mar. 18: Deaths, 1,554 Chinese; 54 Euro-
Asnine Buhedu Changehun Chang Tu Cheng Tu Chen An Cheng Te Ching Chow Ching Hsi Dalny Dunzenshan Fa Ku Feng Hua Fenting Province Fuchiatien Fushun Hailar Herbin Heilung Heilungkiang Hismintun Hsi An Hsi Feng	Feb. 13- Dec. 25-Jan. 13. Oct. 30. Jan. 1-Mar. 27. To Mar. 9. Mar. 7. Mar. 10. To Mar. 2. Mar. 4. Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Feb. 13. To Mar. 29. To Mar. 9. Dec. 6-Feb. 5. Feb. 27. Jan. 7-Mar. 29. To Mar. 7. Feb. 28. Mar. 4.	66	3 2,695 88 88 672 36 19 60 22 217 149 7,137 66 86 813,739 328 111 31	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149. And vicinity, Nov. 8-Mar. 18: Deaths, 1,554 Chinese; 54 Euro-
Asnine Buhedu Changchun Chang Tu Chen An Cheng Te Ching Chow Ching Hsi Dalny Dunzenshan Fa Ku Feng Hua Fenting Province Fuchiatien Fushun Hailar Harbin Heilung Heilungkiang Hismintun Hsi An Hsi Feng	Feb. 13- Dec. 25-Jan. 13. Oct. 30. Jan. 1-Mar. 27. To Mar. 9. Mar. 7. Mar. 10. To Mar. 2. Mar. 4. Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Feb. 15. To Mar. 29. To Mar. 9. Dec. 6-Feb. 5. Feb. 27. Jan. 7-Mar. 29. To Mar. 7. Feb. 28. Mar. 7. Feb. 28. Mar. 4.	66	41 3 2,695 88 672 36 19 60 22 217 149 7,137 66 86	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149. And vicinity, Nov. 8-Mar. 18: Deaths, 1,554 Chinese; 54 Euro-
Asmine Buhedu Changehun Chang Tu Cheng Tu Chen An Cheng Te Ching Chow Ching Hsi Dalny Dunzenshan Fa Ku Feng Hua Fenting Province Fuchiatien Fushun Hailar Harbin Heilung Heilungkiang Hismintun Hsi An Hsi Feng	Feb. 13 Dec. 25-Jan. 13. Oct. 30 Jan. 1-Mar. 27. To Mar. 9 Mar. 7 Mar. 10 To Mar. 2 Mar. 10 Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Feb. 15. To Mar. 29 To Mar. 9 Dec. 6-Feb. 5. Feb. 27 Jan. 7-Mar. 29 To Mar. 7 Feb. 28 Mar. 7 Feb. 28 Mar. 7	66	41 3 2,695 88 672 36 19 60 22 217 149 7,137 66 86 13,739 328 111 111 1795 1,562	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149. And vicinity, Nov. 8-Mar. 18: Deaths, 1,554 Chinese; 54 Euro-
Asmine Buhedu Changehun Chang Tu Cheng Tu Chen An Cheng Te Ching Chow Ching Hsi Dalny Dunzenshan Fa Ku Feng Hua Fenting Province Fuchiatien Fushun Hailar Harbin Heilung Heilungkiang Hismintun Hsi An Hsi Feng	Feb. 13 Dec. 25-Jan. 13. Oct. 30 Jan. 1-Mar. 27. To Mar. 9 Mar. 7 Mar. 10 To Mar. 2 Mar. 10 Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Feb. 15. To Mar. 29 To Mar. 9 Dec. 6-Feb. 5. Feb. 27 Jan. 7-Mar. 29 To Mar. 7 Feb. 28 Mar. 7 Feb. 28 Mar. 7	66	41 3 2,695 428 88 672 36 60 22 217 149 7,137 66 86 13,739 328 111 31 795	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149. And vicinity, Nov. 8-Mar. 18: Deaths, 1,554 Chinese; 54 Euro-
Asmine Buhedu Changehun Chang Tu Cheng Tu Chen An Cheng Te Ching Chow Ching Hsi Dalny Dunzenshan Fa Ku Feng Hua Fenting Province Fuchiatien Fushun Hailar Harbin Heilung Heilungkiang Hismintun Hsi An Hsi Feng	Feb. 13 Dec. 25-Jan. 13. Oct. 30 Jan. 1-Mar. 27. To Mar. 9 Mar. 7 Mar. 10 To Mar. 2 Mar. 10 Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Feb. 15. To Mar. 29 To Mar. 9 Dec. 6-Feb. 5. Feb. 27 Jan. 7-Mar. 29 To Mar. 7 Feb. 28 Mar. 7 Feb. 28 Mar. 7	66	41 3 2, 695 88 672 36 19 60 22 217 149 7, 137 66 86 13, 739 328 111 31 795 1, 562 1	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149. And vicinity, Nov. 8-Mar. 18: Deaths, 1,554 Chinese; 54 Euro-
Asnine Buhedu Changchun Chang Tu Chen An Cheng Te Ching Chow Ching Hsi Dalny Dunzenshan Fa Ku Feng Hua Fenting Province Fuchiatien Fushun Hailar Harbin Heilung Heilungkiang Hismintun Hsi An Hsi Feng	Feb. 13 Dec. 25-Jan. 13. Oct. 30 Jan. 1-Mar. 27. To Mar. 9 Mar. 7 Mar. 10 To Mar. 2 Mar. 10 Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Feb. 15. To Mar. 29 To Mar. 9 Dec. 6-Feb. 5. Feb. 27 Jan. 7-Mar. 29 To Mar. 7 Feb. 28 Mar. 7 Feb. 28 Mar. 7	66	41 3 2,695 88 88 672 36 19 60 22 217 149 7,137 66 86 81 3,739 328 111 31 795 1,562 1	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149. And vicinity, Nov. 8-Mar. 18: Deaths, 1,554 Chinese; 54 Euro-
Asnine Buhedu. Changehun Chang Tu. Cheng Tu. Chen An. Cheng Te. Ching Chow Ching Hsi. Dalny Dunzenshan Fa Ku. Feng Hua Fenting Province Fuchiatien Fushun Hailar Harbin Heilung Heilungkiang Hismintun Hsi Feng Huai Te Hu Lan Iaomin I Chow I Lan Kai Yuan	Feb. 13- Dec. 25-Jan. 13. Oct. 30. Jan. 1-Mar. 27. To Mar. 9. Mar. 7. Mar. 10. To Mar. 2. Mar. 10. To Mar. 2. Mar. 10- To Mar. 3. To Feb. 13. To Feb. 13. To Mar. 3. To Feb. 15. To Mar. 9. Dec. 6-Feb. 5. Feb. 27. Jan. 7-Mar. 29. To Mar. 7. Feb. 28. Mar. 4. To Mar. 8. Dec. 25-Jan. 13. To Mar. 9. To Mar. 9. To Mar. 9. To Mar. 1. Mar. 9. To Mar. 7.	66	41 3 2,695 88 672 36 69 22 217 149 7,137 66 86 13,739 328 111 31 795 1,562 1	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149. And vicinity, Nov. 8-Mar. 18: Deaths, 1,554 Chinese; 54 Euro-
Asmine Buhedu. Changehun Chang Tu. Cheng Tu. Chen An. Cheng Te. Ching Chow Ching Hsi. Dalny Dunzenshan Fa Ku. Feng Hua. Fenting Province Fushiarien Fushun Hailar Harbin Heilung Heilungkiang Hismintun Hsi An. Hsi Feng Hual Te. Hu Lan Iaomin. I Chow I Lan Kai Yuan	Feb. 13- Dec. 25-Jan. 13. Oct. 30. Jan. 1-Mar. 27. To Mar. 9. Mar. 7. Mar. 10. To Mar. 2. Mar. 4. Jan. 11-Feb. 8. To Dec. 25-Feb. 3. To Feb. 13. To Mar. 29. To Mar. 9. Dec. 6-Feb. 5. Feb. 27. Jan. 7-Mar. 29. To Mar. 7. Feb. 28. Mar. 4.	66	41 3 2,695 88 88 672 36 19 60 22 217 149 7,137 66 86 81 3,739 328 111 31 795 1,562 1	Feb. 10: Deaths, 300 daily. Nov. 8-Mar. 18: Deaths 5,149. And vicinity, Nov. 8-Mar. 18: Deaths, 1,554 Chinese; 54 Euro-

Reports Received from Dec. 31, 1910, to June 9, 1911.

PLAGUE-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Manchuria—Continued. Kwang Ning				
Kwang Ning	To Mar. 9		204	
Laio Chung	Feb. 27		33	
Liao Yang	Mar. 3		45 21	
Liao Yuan	Mar. 9	******	344	
Lan Hsi Liesania vetka Handa-	Mar. 5 Dec. 25–Jan. 13	9	9	
ohedzy.				
Lochagri	Dec. 27do	4	4	
Loshagoon	do	4		
Maneduria, station				
Moershan	Jan. 1-20 Jan. 1-Mar. 10	1	1	**
Mukden	Jan. 1-Mar. 10		1,656	Mar. 5-31, 236 cases.
Ning An Ning Yuan Pan Shan	Feb. 18	*******	67	
Pan Shan	Mar. 4 Feb. 24	******	3	
Pa Yen	Mar 4		499	
Pen Hsi	To Mar. 11		17	
Pinchow	Jan. 28-Mar. 7		1,254	
Sanshahe	Jan. 1-20	3	3	
Shing King	To Mar. 7		8	
Shu Chung	Feb. 16 To Mar. 8		10	
Sui Hua	To Mar. 8		1,198	
Swang Cheng	To Mar. 6 Jan. 14-Mar. 3		5,517	
Tieh Ling	Jan. 14-Mar. 3	104	73 106	Corne manipular semested 14
Tchjalainarskiy	Nov. 11-Dec. 3	104	100	Cases previously reported, 14 deaths, 12.
Tchjalantum	Nov. 21-Jan. 14		42	deaths, 12.
Te Huai	To Feb. 25		225	
Tun Fa	Feb. 6		9	
Turehiba	Oct. 30	4	4	
Turehiha Tzaitzzaigoy	Oct. 30	2	2	
Ecuador:				
Babahovo	Dec. 16-Jan. 15	16	4	
Duran	Dec. 16-Mar. 31	11	5	
Guayaquil	Nov. 1-Apr. 15	260	205	
Milagro	Jan. 1-Mar. 15	10	5	
Egypt: Alexandria	Jan. 4-Apr. 28	3		Nov. 29-Dec. 24, 5 cases, 2 deaths.
Cairo		1	1	1101. 25-200. 24, 0 cases, 2 deatales
Port Said	Feb. 11	2	2	
Provinces—	mp o . o	_	_	
Assiout	Jan. 1-May 4	148	71	Dec. 1-29, 50 cases, 24 deaths.
Assouan	Jan. 1-Apr. 26		307	
Behera	Jan. 1-17	3		
Beni Souef	Feb. 7-11	.2		
Favoum	Mar. 15-18	11	9	Now 00 Dec 0 1 com 1 death
Galioubeeh	Feb. 28-Apr. 10	5	1	Nov. 22-Dec. 2, 1 case, 1 death.
Garbieh	Mar. 3-14	16	13	
Girgeh	Apr. 2-15 Jan. 1-Feb. 1	9	5	
Kena	Jan. 14-May 4	451	343	
Menouf	Jan. 14-May 4 Jan. 1-May 4	57	34	Dec. 2-22, 26 cases, 14 deaths.
Minieh	Feb. 22-May 4	76	27	
German East Africa:				
Muanza	Nov. 16-Mar. 22	30	6	
Hawaii:	* ** * **			
Honokaa	Jan. 31-Apr. 19	3	3	
India:	Nov. 92 Apr. 90		9 705	Feb. 19-Apr. 29, 2,694 cases.
Bombay	Nov. 23-Apr. 29 Nov. 13-Apr. 22		2,705 789	Feb. 19-Apr. 29, 2,094 cases.
Kurrachee			1,963	
Madras	Dec. 11-17	2,000	1,500	
Rangoon	Jan. 1Apr. 29	342	331	Dec. 11-31, 10 deaths.
Bombay Presidency and	Dec. 13-17	46, 925	32,611	
Sind.				
Madras Presidency Bengal United Provinces Punjab	do	8, 195	6,761	
Bengal	do	65,619	53, 671 237, 292 77, 011	
United Provinces	do	266, 256	237, 292	
Punjab	do	93,071	77,011	
Burma	Top 20 4 15	3,975	3,760	
Control Browlesses.	Oct 20 Apr. 15	20 773	22 699	
Burma. Eastern Bengal and Assam. Central Provinces. Coorg.	do	30,773 24	23,688 12	
Mysore State	do	9, 254	6,573	
M 1 5010 15 tate		0, 201		
Hyderabad State Central India		6,875	5,783	

Reports Received from Dec. 31, 1910, to June 9, 1911.

PLAGUE-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India-Continued.				
Rajputana and Ajmere Merwara.			17, 393	
Kashmir North West Province	Nov. 6-Apr. 15 Dec. 10-Apr. 15	530 185	310 129	
Grand total		562,024	472, 410	
Indo-China: Saigon	Nov. 14-Apr. 16	53	12	
Japan: Formosa	Jan. 22-Apr. 15	66	54	In the southern part.
Java: Batavia	Apr. 7			Present. Feb. 18—Present among pilgrims on a steame from Jiddah in quarantine lemiles distant.
Pasoeroean Residency, Ma- lang	Mar. 1-Apr. 22	175	105	miles distanti
Mauritius	Dec. 30-Mar. 30	116	53	Sept. 30-Dec. 29: Cases, 511 deaths, 290.
New Caledonia: Noumea	Sept. 17			Present.
New Zealand: Auckland			1	From Onehunga.
Persia: Buchir Peru:	Apr. 23-29	6	5	
Departments— Ancachs	Feb. 1-Mar. 18	15	2	Mar. 4 present at Casma.
Arequipa	Nov. 1-Feb. 28	27	8	Mail: 4 present at Casana.
Mollendo	Mar. 1-Apr. 18	9	6	Mar. 10-Apr. 18: Cases, 13: deaths, 6.
Cajamarea Callao Chiclayo	Feb. 1-28	7 5	5 3	Callao. Mar. 29-Apr. 4, 3 cases.
Chiclayo	Mar. 1-25	15	6	Canao. Mar. 29-Apr. 4, 5 cases
LambäyequeLibertad	Nov. 1-Mar. 18 Nov. 1-Feb. 28	38 179	19 85	Dec. 10-Mar. 11, present in Chi- cama Valley. Salaverry, May 8, 2 deaths. Mar. 1-Apr. 1, 35 cases, 10 deaths, at Truxillo. Mar. 1, present in Moche and Viru. Trujillo, May 8, 16 cases in learnets.
Lima	Nov. 1-Apr. 1	40	21	in lazaretto. Lima—Feb. 19-Mar. 11: Cases, 9; deaths, 3. Mar. 11: Catacaos, epidemic.
Huarochiri	Mar. 1-18 Mar. 19-Apr. 1	1		epideme.
Pacasmayo	Mar. 19-Apr. 1 Nov. 1-Mar. 18	76	3 41	
Portuguese East Africa: Nahoria	May 26			Present.
Russia: Astrakhan Government—				
Abil-Isken	Nov. 22-29 Dec. 17-Feb. 7	106	88	
Kirghiz Steppe Kolden	Dec. 6-13	8	3	
Koybai	Dec. 6-13 Dec. 10-13	5	1	
Kulken Island	Oct. 13-Nov. 4	5	5	
Nauraali-Tehaygal Neuren	Nov. 23–29 Nov. 17–21	5	5	
Trans-Caucasia				Total from Oct. 23-Nov. 24: Cases, 28; deaths, 5.
Petrovosk	Nov. 23 Nov. 22	1	1	
Baku	Nov. 22 Dec. 17	i	î	
Batum	Jan. 1-Mar. 5	1	1	D
Odessa	Jan. 1-Mar. 5	3	2	Dec. 9, 1 death.
Bangkok Straits Settlements:	Nov. 27-Feb. 25	17	15	
Singapore Frinidad Turkey in Asia:	Nov. 13-Mar. 25 Feb. 8-May 10	3 7	3 2	
Turkey in Asia: Jiddah	Dec. 16-Apr. 24	37	32	
enezuela:		-		N
Caracas	Apr. 10-28	5 .	*******	Nov. 9, present.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued. Reports Received from Dec. 31, 1910, to June 9, 1911.

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Abyseinia:				
Aqis Ababa	. Nov. 20-Feb. 11			Present.
Algeria:				
Algiers	. Mar. 1-31	*******	1	
Arabia:	Ton 0 Apr 10	100	15	And vicinity.
AdenBerbera.		120	10	Epidemic.
Bulhar	Jan. 25			Present.
Maskat	. Jan. 1-21	3		1 case from a British naval vessel
Zella				Present.
Argentina:	Oct. 1-Feb. 28		-	
Buenos Aires	Oct. 1-Feb. 28		26 37	
Rosario Australia:	Oct. 1-Mar. 31		01	
Adelaide				Sept., 1910, 1 case on s. s. Ka
				zembe from Singapore.
Austria-Hungary:				
Bohemia		3		
Galicia Krain	Mar. 12-May 6	9	*******	
Krain	Apr. 16-May 6	3	1	
TriesteBarbados:	Apr. 10-may 0	9		
Bridgetown	Jan. 14	1		From steamship Cara from Ric
Dingooman				de Janeiro.
Belgium:				
Antwerp	Mar. 26-Apr. 29	3		
Brazil:	0.100			
Bahia	Oct. 29-Jan. 6	62	. 31	
Para Pernambuco		74	1,486	
Rio de Janeiro	Jan. 1-Mar. 11	4	2	Nov. 14-Dec. 31, 6 cases.
Sao Paulo		2	ī	1101. 11 Doc. 31, 0 cases.
Canada:		-		
British Columbia—				
Fernie	Feb. 19-Apr. 1	10	*******	
Vancouver	Jan. 1-May 27 Dec. 11-Feb. 28	28		
Victoria	Mary 9	59		From s s Dominion from Lines
Grosse Isle Quarantine Sta- tion.	May 3	-		From s. s. Dominion from Liver- pool.
Manitoba-				poor.
Winnipeg	Apr. 2-29	3		
New Brunswick-				
Campbelltown				
Moneton	Jan. 29-Feb. 11		*******	
Newcastle	Dec. 18-May 27			Jan. 14-June 3, in vicinity.
St. Marys	Apr. 9-15	1	******	
Newfoundland— St. Johns	Mar. 12-18	2		
Nova Scotia—	Mail: 15 10:::::::	-		
Halifax	Jan. 1-May 6	13		
Louisburg		9		
Sydney		9		
Ontario—				
Cornwall	Jan. 1-May 25	4		
Fort William				
Ottawa		2		
Sarnia Prince Edwards Island	Mar. 1-Apr. 29			In a French settlement 70 miles
Time Edwards Island		100		from Summerside.
Charlottetown	Mar. 29-May 16	24	1	
Quebec—				
Paspiebiac	May 21-27			
Quebec	Feb. 12-May 27	12		Total for Province of Quebec,
landan.				Apr. 28: Cases, 300.
ceylon:	Nov. 13-Apr. 22	41	9	
hile:	Nov. 15-Apr. 22	41		
Coquimbo Province	Dec. 13-30			Present in two localities.
Iquique	Nov. 13-19		1	
IquiquePunta Arenas	Nov. 1-30	1		
Tulcahuano	Nov. 13-Dec. 17			
Valparaiso	Nov 20-Apr. 15	634		Deaths not generally reported. Jan. 8-14, 2 deaths; Apr. 15,
				present
himas				present.
hina: Amoy	Mar. 8-14		- 8	Mar. 25-Apr. 8, still present in
amoy	and O I Trees.		0	vicinity.
Canton	Dec. 11-17	26	3	
Chefoo	do			Present among natives.
Chungking	Nov. 13-Apr. 1			Present.
Hankow	Mar. 26-Apr. 1			Do.
		111	66	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued. Reports Received from Dec. 31, 1910, to June 9, 1911.

SMALLPOX-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Manchuria-				
Dalny	Nov. 27-Feb. 11	2	1	
Nanking	Nov. 20-Apr. 29			Present.
Shanghai	Nov. 27-Feb. 11 Nov. 20-Apr. 29 Nov. 21-Apr. 30	61	187	Deaths among natives.
Swatow	Jan. 1-7		101	Present 25 miles inland; Jan. 21-
Dwatow	Jun. 1			May 6, present in vicinity.
Tsingtau	Jan. 8-Apr. 22	27	1	and of proposition vicinity.
Colombia:	The state of the s	-	-	
Cartagena	Jan. 15-May 21			Present.
Ceuador:				
Guayaquil	Apr. 22			One case from s. s. Manavi from
	-			Manta.
gypt:		-		
Alexandria	Jan. 1-Mar. 31	27	21	Nov. 1-Dec. 31, 1 case, 2 deaths
Cairo	Dec. 3-Apr. 29	25	8	
Port Said	Dec. 17-Apr. 29	34	21	
rance:				
Paris	Dec. 3-Apr. 29	78		
ambia	Apr. 8			Present.
ermany				Total for Germany, Dec. 4-May
				20, cases 142.
Magdeburg	Mar. 19-Apr. 8	3		
ibraltar	Jan. 16-Apr. 23	6		
reat Britain:				
Dublin	Jan. 15-21 May 7-20 Apr. 30-May 5	1		
Dundee	May 7-20	1	1	
Glasgow	Apr. 30-May 5	2		
Leith	Dec. 11-17	2		From a steamship from Oporto
Liverpool	Jan. 29-May 13	9		
London	Feb. 19-May 13	253	8	
Nottingham	Feb. 19-May 13 Mar. 12-18	1		
uatemala:	101111111111111111111111111111111111111			
Estora	May 21			Present.
Quirigua	do			Do.
awaii:				
Honolulu	Jan. 3-May 4	5		Jan. 3, 3 cases on s. s. Kiho Maru from Manzanillo. Feb. 18, 1 case on s. s. Chiyo Maru from Yokohama.
Olaa	May 4	1		1 Okonania.
Hilo				In vicinity Mar. 14-30, 9 cases, in
***************************************				cluding 3 reported Mar. 26 at Waiakea.
Kona	Mar. 22	1		
Maui-				
Puuene	Jan. 24	39		
Waikapu	Jan. 31	. 1		
ndia:	and the second second			
Bombay	Dec. 6-Apr. 29		260	Feb. 19-Apr. 29, 422 cases.
Calcutta	Nov. 6-Apr. 22		41	
Madras	Nov. 6-Apr. 22 Nov. 20-Apr. 29	799	343	and the second second second
Madras Rangoon	Jan. 1-Apr. 29	1,281	446	Nov. 20-Dec. 31, 6 deaths.
ndo-China:				
Saigon	Nov. 14-Apr. 16	456	83	
aly:				
Genoa	Feb. 1-May 15	. 13		
Naples	Dec. 4-May 15 Jan. 8-May 15	555	209	
Palermo	Jan. 8-May 15	161	59	
Turin	Jan. 8-Apr. 8	4		
pan:				
Formosa	Mar. 19-25	1		
Kobe	Dec. 26-Apr. 8	6	1	Dec. 26-Jan. 1, 2 cases from s. s. Shimosa from New York via
				Shimosa from New York via
				ports.
Nagahama	Mar. 23	1		From s. s. Luceric from Hong-
				kong via ports.
va:	D 00 15			
Batavia	Dec. 26-Mar. 18	12		
lalta:				
Valetta	Dec. 4-Jan. 28	4		
exico:	D - 01 /			
Aguascalientes	Dec. 25-Apr. 23 Jan. 30-May 7		62	
Chihuahua	Jan. 30-May 7	5	3	
Chihuahua. Ciudad Porfirio Diaz	May 14-20		1	
Ensenada	Mar. 12-May 20	35	5 2	
Guadalajara	Jan. 29-Apr. 1	2	2	
Juarez	May 14	20		

Reports Received from Dec. 31, 1910, to June 9, 1911.

SMALLPOX-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico-Continued.				
Mexico	Dec. 11-Apr. 22			Reports from Jan. 8-28 not received.
Monterey	Dec. 19-Apr. 16		2	
Nogales	May 21-27	3		
Salina Cruz	May 14-20	40		
San Juan Bautista San Luis Potosi	May 26 Nov. 13-Apr. 29	174	10 35	Jan. 26, present in the interior of
Tampico	Dec. 2-May 20	128	34	the State. Present in Dona Cecilia, L
Vera Cruz	Mar. 15-18	1	1	Barra, and Tancol. From a sailing vessel.
Tangier	Mar. 19-25			Epidemic.
Rotterdam	Dec. 11-Jan. 28	4	********	
Lyttelton	Dec. 30	1		On s. s. Knight of the Garter from Karotzu, Japan.
Peru:				
Salaverry	Jan. 25-Mar. 21	17	2	Jan. 10-Feb. 7, present.
Truxillo	Dec. 19		2	Dec. 19-Jan. 7, present in vicinity
Philippine Islands			********	Third quarter, 1910: Cases, 11 deaths, 0.
Portugal: Lisbon	Dec. 3-May 13	339		Oct. 30-Dec. 31, deaths, 48. Yea 1910, 286. Jan. 1-Apr. 22
Russia:				deaths 49.
Libau	Dec 5-Apr 30	8	4	
Moscow	Dec. 5-Apr. 30 Nov. 15-May 6	329	110	
Odessa	Nov. 20-May 6	42	8	
Riga	Dec. 11-May 6			Oct. I-Dec. 31, 82 deaths. Jan
St. Petersburg Warsaw	Nov. 13-May 6 Oct. 9-Mar. 18	646	178 49	1-Feb. 28, deaths 38.
Siberia: Vladivostok	Nov. 22-Mar. 21	35	5	
Siam: Bangkok	Dec. 21-Mar. 16	13	9	
South Africa: Cape Town	Mar. 5-11	18		
Johannesburg	Mar. 17-Apr. 29		6	W 101
Barcelona	Dec. 5-Jan. 8 Nov. 1-Apr. 30		2	Mar. 12, present.
Seville	Jan. 1-Apr. 30		34 13	
Valladolid	Mar. 1-11			Epidemic.
Valencia	Nov. 27-May 13		3 28	Nov. 6-Dec. 31: Cases, 69; deaths,
Singapore	Jan. 1-Apr. 8			68.
singapore	Nov. 13-Apr. 15 Apr. 2-29		28	
AargauBaselstadt	Jan. 29-Mar. 18 Feb. 19-25	58		
Bern	Dec. 12-Apr. 15	21		
Constantinople	May 8-14		1	Dec. 19-25, deaths, 1.
AdanaBeirut	Mar. 14 Dec. 4-Apr. 22	61	1 6	
	Apr. 2-29 Dec. 18-May 6	20		
Kharput				
KharputSmyrna	Dec. 18-May 6	3		
	Oct. 1-Feb. 28	59	19	

MORTALITY.

WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

							1	Deat	hs fr	om-	-			
Cities.	ended— population.	Total deaths from all causes.	Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.	
Asuncion	Apr. 22	75,000	21	2						3		i		
Amsterdam	May 13do	576,691 327,668	146 73	23			****					1	8	
AntwerpAthensBarcelona	do	250,010	87	28				1		1		1		
Barcelona	May 17	250,010 591,272	400	31	2			1		3	****	1	8	
Basra	May 13 Apr. 22	20,000 217,630	12	****		10		****	****					***
Belfast	Apr. 22 May 20	398, 421	123	31										1
Belgrade	do	398,421 90,050	39							1	4	10		
Berlin	May 6 May 13	2,073,483	575 574	93		****		****		2	11	12 17	3 5	1
tirmingham	May 20	575,545	153	00							3	1 2	5	
Berlin. Do. Birmingham. Bremen.	May 13	246,850	57	6								2		
ristol	May 20	387,511 977,822	102 846	9 48	249			18		****		****	11 16	
Bristol Bombay DoBudapest	May 6 May 13	911,022	829	45	239			22					11	
udapest	May 4	. 950, 610								2	10	2	3	•••
Do	May 13									1 2 2	17		5 2	
russels	May 20 May 6	562, 595 682, 953	165 515	20 27	****	****			7	2	9	9	6	
Do	May 6 May 13		619	28	****				6	2	5	12	12	
	Mar. 18	12,000								2				
Chemnitz	May 13	290, 960 292, 825	77	8								1	2	
hihuahua	May 20 Apr. 30	39,000	77 22	4					****	1	3	1 2	-	
Do	Apr. 30 May 14	35,000	35	7 5							1			***
Do	May 21		36					1			5		1	
Do	May 28	£10 979	34	1					4		1	3	8	
Cologne	May 13 May 20	518, 373	172 147	13 16	****		****	****				2		
Colombo	Apr. 22	211, 184	111	18						10				
Do	Apr. 29		107	11						6				
colon	May 29 May 21	17,369	13 185	29		****	****		****	4	1	1		
Constantinople Copenhagen Dresden	May 13	1,000,000 462,000	150	18							2		4	
Dresden	do	548, 900	155	27							1	1	1	
Judin	May 20	407, 457 171, 006	129	31		****				1		1	4	
Oundee	Apr. 29	64,689	54 16	8	****			1	****	****	****	1	****	
Edinburgh	May 20	320, 829	115	15							1	1	1	***
Hasgow	May 26	784,655	228							1			5	3
reenock Juadalajaria	May 20 May 27	75, 131 118, 799	27 77					1			1		****	
Tamburg	May 20	932, 166	243	34						1	2	10		***
Iarput	May 13	21,000 136,159	11	2				2			****		7	
HamburgHarputHavreHongkong	May 20 Apr. 29	136, 159 336, 448	63	16				12	****	1	****	****		***
Inli	Apr. 29 May 20	284, 502	59	****	1	****	****	12			****		2	
IullBatavia	Apr. 22	217,630 20,000				10			1					
Kingston, Canada	June 3	20,000	10								2	··i		
Coningeborg	May 14 May 13	404, 851 246, 000	125 85	14	****		****		****	****			****	***
Do	May 20		97	19						1		1		
Coningsberg. Do.	do	498,027	130	13								2	2 2	
eipzig	May 13 May 20	585,743	142 128	26 14				****	1	****	****	1 2	1	
aban .	May 14	90,000	120	7.5	****						1			
eipzig. Doibauiege.	May 6	174, 768	43	- 5									2	
Do	May 13	774.051	36	17						··i·	4	2	1 12	·i
ondon	May 20do	774, 951 7, 645, 716	249 1,547	17	****	****				1	3	12	50	3
Do	May 27		1,590							3	7	17	67	2
	May 13	98,700	46	3								3		
yon	May 6	520,775	181									1 5	****	
fadras	May 13 May 6	550,000	142 359	25				17				5	5	
yon Do. Iadras Iagdeburg Do. Do. Do. Do. Do. Do. Do. Do.	Apr. 15	275, 758	84	9							2	5 7	4	
Do	Apr. 22		84	5								7	1 1 2	
	Apr. 29		104	9										

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities-Continued.

									Dead	ths fi	om-	_			
Cities. We ende		Estimated population.	population.	Total deaths from all causes.	Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhold fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping soneh
Manaos	May	12	52,000	45	2			2							T
Ianchester	May	6	543, 969	210	25								2	17	1
Do	May	13		246	35							1	3	20	1
Do	May	20		230	37								1	22	
annheim	Apr.		195, 111	45	9								****	2	
Do	May	6	*********	38	5			****						3	
Do	May	13	10,000	33	5			****						1	
askat Do	Apr.	29	10,000	******	****	10		****		****		****		****	1
Do	May May	13	*********	******	****	5						****	****	****	
exico	Apr.	29	500,000	452	21					34		1	2	2	1.
Do	May	6	000,000	423	24				15	25	****	1		4	1
onterey	May	21	100,000	65	9							8			
Do	May	28	*********	59	6						4	2			
ontreal	May	27	450,000	181	24						4	1	1	2	1
Do	June	3		139	18						1	.1	1	****	1
oscow	May		1,500,000	846	91				12	9	5	14	13	18	
unich	May	6	517,000	172	37					****		1	1	****	1
agasaki	May	7 28	178,074	40 129	6						2	****	9	****	
agayaantes	Apr. May	14	402, 101 161, 908	58	24						î			****	1.
Do	May	21	101,000	45	14			****				****	****	****	1
aples	May	14	593, 729		3										1.
aplesewcastle-on-Tyne Do	May	13	290,360	80	3							1		3	100
Do	May	20	*********	86	9									4	
ottingham	May	13	260,000	77							1		****	1	
dessa	Apr.	29	546,000	179	23				2	1	3	1	1		1
alermo	May	20	340,000	134	7				6	****	3	6	****	****	
Do	May	27	102 000	139	10					****	3	4	2		
Do	May	$\frac{20}{27}$	185,000	86 87	6	3		1	i		1		****	1	* *
ris	May May	13	2,846,986	973	226			****			2	6	7	97	**
enang	Apr.	22	248, 207	68	14						2				
rague	May	6	235, 556	90	19							3			
Do	May	13		90	22							2	1	1	
Do	May	20		85	17								3	1	
ort Said	May	6	52,811	30					6					2	
Do	May	13		34		40					****			**	
angoon	Apr.	22 29	252, 155	293 286	9 15	43 56		****	47 37					*	**
Dolina Cruz	Apr. May	20	6, 138	6	19	30	19	****	31	****	1		***	1.8	**
n Luis Potosi	do	20	82, 694	97	1	****			5	1		****		****	**
nta Cruz de Teneriffe.		13	46,000	15						i					
Do	May	20	30,000	5							1				
ntos	Mar.	11	85,000	23							2				
Do	Mar.	18		37							1				
Do		25		24		****		****						1	
Do	Apr.	1		25							1	****			
. Petersburg		22	1, 907, 708	791							6	13	6	11	
Do		29	**********	890					6		7	13	7	32 25	1
Do	May	6	492,000	862 127					5	2	10	13	3 2	20	,
anghai		23	492,000	109					-	****	****	1	-	****	*
**************	whi.	90		100	**										**

MORTALITY-FOREIGN AND INSULAR-COUNTRIES AND CITIES (untabulated).

ARGENTINA—Buenos Aires.—Month of March, 1911. Population, 1,326,088. Total number of deaths from all causes 1,772, including diphtheria 11, measles 2, scarlet fever 5, smallpox 9, tuberculosis 187, typhoid fever 52.

Rosario.—Month of March, 1911. Population, 201,268. Total number of deaths from all causes 423, including diphtheria 7, small-

pox 15, tuberculosis 33, typhoid fever 13.

CANADA—Dawson.—Month of March, 1911. Total number of deaths from all causes 9, including tuberculosis 1. Month of April, 1911. Total number of deaths 7, including tuberculosis 3, typhoid fever 1.

Sherbrooke.—Month of May, 1911. Population, 16,000. Total number of deaths from all causes 32, including diphtheria 1, tuberculosis 4.

France—St. Etienne.—Two weeks ended May 15, 1911. Population, 150,000. Total number of deaths from all causes 127, including diphtheria 1, measles 1, scarlet fever 1, tuberculosis 17.

GREAT BRITAIN.—Week ended May 20, 1911.

England and Wales.—The deaths registered in 77 great towns correspond to an annual rate of 12.4 per 1,000 of the population, which is estimated at 17,160,256.

Ireland.—The deaths registered in 21 principal town districts correspond to an annual rate of 16.1 per 1,000 of the population, which is estimated at 1,163,596. The lowest rate was recorded at Drogheda,

viz, 4.1, and the highest at Armagh, viz, 34.4 per 1,000.

Scotland.—The deaths registered in 8 principal towns correspond to an annual rate of 15.8 per 1,000 of the population, which is estimated at 1,710,299. The lowest rate was recorded at Leith, viz, 5.2, and the highest at Paisley, viz, 19.1 per 1,000. The total number of deaths from all causes was 517, including diphtheria 1, measles 7, scarlet fever 2, typhoid fever 1.

NEW ZEALAND.—Month of January, 1911.

Auckland.—Population, 101,446. Total number of deaths 76, including tuberculosis 1, typhoid fever 2.

Christchurch.—Population, 80,523. Total number of deaths 71, including tuberculosis 3.

Dunedin.—Population, 64,402. Total number of deaths 67, including tuberculosis 5.

Wellington.—Population, 78,243. Total number of deaths 52, including tuberculosis 3.

Russia—*Libau*.—Four weeks ended April 13, 1911. Population, 60,000. Total number of deaths from all causes not reported. The deaths include diphtheria 2, measles 6, scarlet fever 1.

941

South Africa—Johannesburg.—Two weeks ended April 29, 1911. Population, 220,304. Total number of deaths from all causes 181, including tuberculosis 16, typhoid fever 6.

URUGUAY— Montevideo.—Month of February, 1911. Population, 321,224. Total number of deaths from all causes 439, including diphtheria 1, measles 2, smallpox 3, tuberculosis 70, typhoid fever 10.

Month of March, 1911. Total number of deaths 454, including measles 2, tuberculosis 69, typhoid fever 5.

By authority of the Secretary of the Treasury:

Walter Wyman,
Surgeon General,
United States Public Health and Marine-Hospital Service.